

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061321.D
 Acq On : 26 Mar 2019 2:26
 Operator : VA/AP
 Sample : K2045-03MSD
 Misc : 6.04g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 WP022SB439-190318-(13-14)MSD

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 11:59:51 AM

Quant Time: Mar 26 08:38:05 2019
 Quant Title :
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	532392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	947875	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	718861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	299637	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	281595	61.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.62%	
35) Dibromofluoromethane	6.92	113	454680	62.69	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	125.38%	
50) Toluene-d8	10.41	98	1055475	60.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.02%	
62) 4-Bromofluorobenzene	13.55	95	357389	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.59	85	322675	59.280	ug/l	95
3) Chloromethane	1.77	50	269130	63.381	ug/l	98
4) Vinyl Chloride	1.86	62	259635	65.395	ug/l	98
5) Bromomethane	2.16	94	45650	56.650	ug/l	96
6) Chloroethane	2.28	64	88089	70.526	ug/l	99
7) Trichlorofluoromethane	2.54	101	376777	64.202	ug/l	99
8) Diethyl Ether	2.88	74	124689	71.457	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.16	101	354256	59.306	ug/l	96
10) Methyl Iodide	3.32	142	626567	75.082	ug/l	99
11) Tert butyl alcohol	4.07	59	84072	343.830	ug/l #	90
12) 1,1-Dichloroethene	3.13	96	331506	64.497	ug/l	100
13) Acrolein	3.05	56	37976	141.889	ug/l	98
14) Allvl chloride	3.63	41	484100	66.394	ug/l	97
15) Acrylonitrile	4.21	53	322326	374.833	ug/l	95
16) Acetone	3.23	43	520409	473.660	ug/l	93
17) Carbon Disulfide	3.39	76	1049366	61.473	ug/l	100
18) Methyl Acetate	3.65	43	244869	117.910	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	648173	71.607	ug/l	98
20) Methylene Chloride	3.82	84	412175	66.098	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	379356	65.974	ug/l	96
22) Diisopropyl ether	5.12	45	1147377	74.700	ug/l	93
23) Vinyl Acetate	5.06	43	1788786	218.051	ug/l	99
24) 1,1-Dichloroethane	4.98	63	598056	66.816	ug/l	100
25) 2-Butanone	6.07	43	519494	408.794	ug/l	98
26) 2,2-Dichloropropane	6.03	77	453593	59.681	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	433221	70.012	ug/l	97
28) Bromochloromethane	6.44	49	253606	67.692	ug/l	100
29) Tetrahydrofuran	6.45	42	260603	411.995	ug/l	99
30) Chloroform	6.67	83	660444	69.242	ug/l	99
31) Cyclohexane	6.96	56	444090	61.129	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	517044	61.206	ug/l	96
36) 1,1-Dichloropropene	7.15	75	441926	56.985	ug/l	99
37) Ethyl Acetate	6.19	43	198446	61.264	ug/l	95
38) Carbon Tetrachloride	7.11	117	520442m	58.717	ug/l	
39) Methylcyclohexane	8.86	83	411412	51.223	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061321.D
 Acq On : 26 Mar 2019 2:26
 Operator : VA/AP
 Sample : K2045-03MSD
 Misc : 6.04g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 WP022SB439-190318-(13-14)MSD

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 11:59:51 AM

Quant Time: Mar 26 08:38:05 2019
 Quant Title :
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.46	78	1222666	63.481	ug/l	98
41) Methacrylonitrile	6.44	41	275261	73.128	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	367863	61.284	ug/l	97
43) Isopropyl Acetate	9.24	43	278212	59.568	ug/l #	99
44) Trichloroethene	8.54	130	441221	63.343	ug/l	96
45) 1,2-Dichloropropane	8.94	63	325199	68.411	ug/l	99
46) Dibromomethane	9.06	93	219290	67.300	ug/l	99
47) Bromodichloromethane	9.38	83	503328	65.904	ug/l	98
48) Methyl methacrylate	9.12	41	177969	71.392	ug/l	97
49) 1,4-Dioxane	9.08	88	40652	1486.294	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	1019656	366.739	ug/l	98
52) Toluene	10.51	92	775929	65.841	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	421087	63.443	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	512420	63.225	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	258734	66.129	ug/l	98
56) Ethyl methacrylate	11.04	69	300277	71.922	ug/l	99
57) 1,3-Dichloropropane	11.40	76	386531	65.414	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	716325	329.797	ug/l	99
59) 2-Hexanone	11.53	43	750650	371.733	ug/l	99
60) Dibromochloromethane	11.68	129	401858	65.577	ug/l	99
61) 1,2-Dibromoethane	11.81	107	304289	66.562	ug/l	98
64) Tetrachloroethene	11.26	164	335212	67.692	ug/l	98
65) Chlorobenzene	12.40	112	947722	71.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	370733	72.218	ug/l	99
67) Ethyl Benzene	12.53	91	1319889	65.136	ug/l	100
68) m/p-Xylenes	12.67	106	925191	116.965	ug/l	97
69) o-Xylene	13.05	106	484106	65.989	ug/l	98
70) Styrene	13.07	104	802157	64.428	ug/l	99
71) Bromoform	13.23	173	241420	76.851	ug/l	98
73) Isopropylbenzene	13.40	105	1219634	62.580	ug/l	99
74) N-amyl acetate	13.26	43	233501	45.795	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	282442	74.733	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	289965	77.815	ug/l	99
77) Bromobenzene	13.67	156	346824	63.709	ug/l	98
78) n-propylbenzene	13.78	91	1305100	59.356	ug/l	94
79) 2-Chlorotoluene	13.83	91	757678	59.184	ug/l	100
80) 1,3,5-Trimethylbenzene	14.24	105	975249	63.433	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	86673	73.702	ug/l	99
82) 4-Chlorotoluene	13.94	91	890447	63.623	ug/l	99
83) tert-Butylbenzene	14.19	119	1114427	63.485	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	975249	63.433	ug/l	99
85) sec-Butylbenzene	14.37	105	1012365	51.784	ug/l	99
86) p-Isopropyltoluene	14.48	119	932550	53.467	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	542979	56.271	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	620349	66.368	ug/l	99
89) n-Butylbenzene	14.80	91	686796	44.352	ug/l	96
90) Hexachloroethane	15.01	117	247729	52.975	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	609240	79.126	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	38898	82.365	ug/l	83
93) 1,2,4-Trichlorobenzene	15.94	180	175769	49.430	ug/l	99
94) Hexachlorobutadiene	16.04	225	70108	24.468	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
Data File : VD061321.D
Acq On : 26 Mar 2019 2:26
Operator : VA/AP
Sample : K2045-03MSD
Misc : 6.04g/5ml/MSVOA D/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MSD

Manual Integrations
APPROVED

MMDadoda
3/26/2019 11:59:51 AM

Quant Time: Mar 26 08:38:05 2019
Quant Title :
QLast Update : Tue Mar 26 03:31:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	16.12	128	331441	63.879	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	79495	47.864	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

