

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061320.D
 Acq On : 26 Mar 2019 1:59
 Operator : VA/AP
 Sample : K2045-02MS
 Misc : 4.81u/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 11:59:46 AM

Quant Time: Mar 26 08:37:30 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	146437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	283155	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	256641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	106595	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	117488	92.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.98%	
35) Dibromofluoromethane	6.92	113	137607	63.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	127.02%	
50) Toluene-d8	10.41	98	306966	58.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.86%	
62) 4-Bromofluorobenzene	13.56	95	110536	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.59	85	59626	39.825	ug/l	90
3) Chloromethane	1.76	50	69145	59.203	ug/l	91
4) Vinyl Chloride	1.86	62	52544	48.116	ug/l	100
5) Bromomethane	2.16	94	14027	63.285	ug/l	96
6) Chloroethane	2.27	64	19996	58.204	ug/l	96
7) Trichlorofluoromethane	2.54	101	65256	40.426	ug/l	97
8) Diethyl Ether	2.88	74	51967	108.275	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.16	101	71425	43.473	ug/l	98
10) Methyl Iodide	3.32	142	103326	45.015	ug/l	96
11) Tert butyl alcohol	4.07	59	80639	1198.998	ug/l	97
12) 1,1-Dichloroethene	3.13	96	68838	48.692	ug/l	99
13) Acrolein	3.04	56	31314	425.363	ug/l	98
14) Allvl chloride	3.62	41	133136	66.385	ug/l	92
15) Acrylonitrile	4.20	53	247187	1045.079	ug/l	98
16) Acetone	3.23	43	410894	1359.668	ug/l	97
17) Carbon Disulfide	3.39	76	193349	41.180	ug/l	99
18) Methyl Acetate	3.64	43	161572	282.855	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	275836	110.788	ug/l	99
20) Methylene Chloride	3.82	84	118254	68.945	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	89707	56.720	ug/l	98
22) Diisopropyl ether	5.12	45	327518	77.523	ug/l	97
23) Vinyl Acetate	5.06	43	989712	438.620	ug/l	99
24) 1,1-Dichloroethane	4.99	63	161772	65.709	ug/l	97
25) 2-Butanone	6.06	43	391186	1119.149	ug/l	98
26) 2,2-Dichloropropane	6.02	77	99341	47.520	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	117834	69.233	ug/l	94
28) Bromochloromethane	6.44	49	89606	86.955	ug/l	94
29) Tetrahydrofuran	6.45	42	191006	1097.843	ug/l	100
30) Chloroform	6.66	83	177132	67.517	ug/l	99
31) Cyclohexane	6.95	56	82558	41.316	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	116876	50.301	ug/l	99
36) 1,1-Dichloropropene	7.15	75	99140	42.794	ug/l	97
37) Ethyl Acetate	6.18	43	164709	170.219	ug/l #	97
38) Carbon Tetrachloride	7.11	117	107516m	40.606	ug/l	
39) Methylcyclohexane	8.86	83	69832	29.105	ug/l	95

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40) Benzene	7.45	78	321444	55.869	ug/l	97
41) Methacrylonitrile	6.45	41	192197	170.928	ug/l	95
42) 1,2-Dichloroethane	7.58	62	137974	76.946	ug/l	99
43) Isopropyl Acetate	9.23	43	192489	137.965	ug/l	100
44) Trichloroethene	8.54	130	101006	48.542	ug/l	97
45) 1,2-Dichloropropane	8.94	63	94350	66.442	ug/l	97
46) Dibromomethane	9.06	93	90217	92.685	ug/l	96
47) Bromodichloromethane	9.37	83	151085	66.223	ug/l	99
48) Methyl methacrylate	9.12	41	113424	152.314	ug/l	96
49) 1,4-Dioxane	9.08	88	39499	4834.325	ug/l	91
51) 4-Methyl-2-Pentanone	10.30	43	722245	869.591	ug/l	100
52) Toluene	10.50	92	197139	55.998	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	162509	81.963	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	163351	67.470	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	109366	93.572	ug/l	99
56) Ethyl methacrylate	11.04	69	136120	109.141	ug/l	98
57) 1,3-Dichloropropane	11.40	76	158675	89.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	393364	606.259	ug/l	99
59) 2-Hexanone	11.53	43	553948	918.309	ug/l	99
60) Dibromochloromethane	11.69	129	163689	89.418	ug/l	98
61) 1,2-Dibromoethane	11.80	107	150337	110.087	ug/l	98
64) Tetrachloroethene	11.25	164	75726	42.833	ug/l	97
65) Chlorobenzene	12.39	112	283771	60.031	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	114048	62.229	ug/l	96
67) Ethyl Benzene	12.52	91	344251	47.586	ug/l	99
68) m/p-Xylenes	12.66	106	260893	92.386	ug/l	98
69) o-Xylene	13.04	106	133878	51.116	ug/l	98
70) Styrene	13.07	104	230801	51.925	ug/l	93
71) Bromoform	13.23	173	112336	100.165	ug/l #	98
73) Isopropylbenzene	13.40	105	307812	44.397	ug/l	98
74) N-amyl acetate	13.26	43	141539	78.030	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	163351	121.496	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	173808	131.113	ug/l	97
77) Bromobenzene	13.66	156	107746	55.636	ug/l	98
78) n-propylbenzene	13.77	91	364288	46.572	ug/l	96
79) 2-Chlorotoluene	13.84	91	224508	49.296	ug/l	94
80) 1,3,5-Trimethylbenzene	14.24	105	256730	46.939	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	51498	123.096	ug/l	98
82) 4-Chlorotoluene	13.94	91	266871	53.600	ug/l	97
83) tert-Butylbenzene	14.19	119	272631	43.657	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	256730	46.939	ug/l	97
85) sec-Butylbenzene	14.36	105	240637	34.600	ug/l	96
86) p-Isopropyltoluene	14.49	119	218036	35.140	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	187595	54.649	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	189638	57.030	ug/l	96
89) n-Butylbenzene	14.80	91	165611	30.063	ug/l	98
90) Hexachloroethane	15.00	117	59289	35.639	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	218786	79.875	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25224	150.138	ug/l	78
93) 1,2,4-Trichlorobenzene	15.94	180	61163	48.349	ug/l	98
94) Hexachlorobutadiene	16.04	225	18367	18.019	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	16.13	128	200336	108.535	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	32058	54.258	ug/l	95

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

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