

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061340.D
 Acq On : 26 Mar 2019 17:08
 Operator : VA/AP
 Sample : VD0326SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:28 PM

Quant Time: Mar 27 02:03:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 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	7.04	168	821001	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1360145	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	1102736	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	487296	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	269297	38.02	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	76.04%	
35) Dibromofluoromethane	6.91	113	443330	42.60	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	85.20%	
50) Toluene-d8	10.39	98	1024807	40.61	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	81.22%	
62) 4-Bromofluorobenzene	13.54	95	407087	41.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	165320	19.695	ug/l	98
3) Chloromethane	1.75	50	130379	19.911	ug/l	98
4) Vinyl Chloride	1.85	62	113324	18.509	ug/l	99
5) Bromomethane	2.14	94	19737	15.883	ug/l	97
6) Chloroethane	2.25	64	30731	15.955	ug/l	97
7) Trichlorofluoromethane	2.52	101	161870	17.886	ug/l	100
8) Diethyl Ether	2.87	74	55822	20.745	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	174782	18.974	ug/l	97
10) Methyl Iodide	3.31	142	209919	16.312	ug/l	97
11) Tert butyl alcohol	4.05	59	37006	98.142	ug/l	98
12) 1,1-Dichloroethene	3.12	96	162162	20.459	ug/l	99
13) Acrolein	3.03	56	42789	103.672	ug/l	99
14) Allyl chloride	3.61	41	222994	19.832	ug/l	97
15) Acrylonitrile	4.19	53	149045	112.395	ug/l	97
16) Acetone	3.22	43	150213	88.658	ug/l	94
17) Carbon Disulfide	3.38	76	488187	18.545	ug/l	100
18) Methyl Acetate	3.63	43	71687	22.384	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	291810	20.905	ug/l	98
20) Methylene Chloride	3.81	84	189496	19.706	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	175059	19.742	ug/l	94
22) Diisopropyl ether	5.11	45	463695	19.577	ug/l	99
23) Vinyl Acetate	5.05	43	1277440	100.978	ug/l	99
24) 1,1-Dichloroethane	4.97	63	263931	19.121	ug/l	98
25) 2-Butanone	6.05	43	204485	104.345	ug/l	98
26) 2,2-Dichloropropane	6.01	77	216059	18.434	ug/l	96
27) cis-1,2-Dichloroethene	6.02	96	183670	19.248	ug/l	96
28) Bromochloromethane	6.43	49	111726	19.338	ug/l	98
29) Tetrahydrofuran	6.45	42	104447	107.077	ug/l	98
30) Chloroform	6.65	83	271308	18.445	ug/l	97
31) Cyclohexane	6.94	56	214967	19.188	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	233824	17.949	ug/l	98
36) 1,1-Dichloropropene	7.13	75	210779	18.941	ug/l	97
37) Ethyl Acetate	6.17	43	96643m	20.792	ug/l	
38) Carbon Tetrachloride	7.11	117	231481	18.200	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	224120	19.446	ug/l	99
40) Benzene	7.44	78	517167	18.713	ug/l	99
41) Methacrylonitrile	6.43	41	112179	20.769	ug/l	95
42) 1,2-Dichloroethane	7.57	62	161692	18.772	ug/l	98
43) Isopropyl Acetate	9.23	43	132394	19.755	ug/l #	96
44) Trichloroethene	8.53	130	198011	19.811	ug/l	97
45) 1,2-Dichloropropane	8.93	63	132854	19.477	ug/l	97
46) Dibromomethane	9.05	93	91370	19.542	ug/l	98
47) Bromodichloromethane	9.36	83	211913	19.337	ug/l	98
48) Methyl methacrylate	9.10	41	77860	21.766	ug/l	98
49) 1,4-Dioxane	9.07	88	18434	469.687	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	422619	105.930	ug/l	97
52) Toluene	10.49	92	316596	18.722	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	193500	20.317	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	233744	20.099	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	110849	19.744	ug/l	98
56) Ethyl methacrylate	11.03	69	126079	21.045	ug/l	99
57) 1,3-Dichloropropane	11.40	76	168059	19.821	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	312094	100.136	ug/l	100
59) 2-Hexanone	11.52	43	309119	106.680	ug/l	96
60) Dibromochloromethane	11.67	129	175821	19.995	ug/l	97
61) 1,2-Dibromoethane	11.79	107	139524	21.269	ug/l	99
64) Tetrachloroethene	11.24	164	158454	20.859	ug/l	95
65) Chlorobenzene	12.39	112	418531	20.606	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.50	131	165977	21.077	ug/l	94
67) Ethyl Benzene	12.51	91	675671	21.737	ug/l	98
68) m/p-Xylenes	12.66	106	496305	40.902	ug/l	100
69) o-Xylene	13.04	106	238432	21.187	ug/l	100
70) Styrene	13.06	104	389605	20.399	ug/l	98
71) Bromoform	13.23	173	98623	20.466	ug/l	97
73) Isopropylbenzene	13.40	105	663984	20.949	ug/l	99
74) N-amyl acetate	13.26	43	166533	20.083	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	129602	21.086	ug/l	100
76) 1,2,3-Trichloropropane	13.72	75	127055	20.966	ug/l	98
77) Bromobenzene	13.66	156	180488	20.387	ug/l	97
78) n-propylbenzene	13.76	91	733995	20.527	ug/l	99
79) 2-Chlorotoluene	13.83	91	422808	20.308	ug/l	98
80) 1,3,5-Trimethylbenzene	14.23	105	532356	21.291	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	38116	19.930	ug/l	98
82) 4-Chlorotoluene	13.94	91	466349	20.489	ug/l	98
83) tert-Butylbenzene	14.18	119	571082	20.004	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	532356	21.291	ug/l	100
85) sec-Butylbenzene	14.36	105	650076	20.447	ug/l	99
86) p-Isopropyltoluene	14.48	119	535971	18.896	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	309798	19.742	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	285578	18.787	ug/l	98
89) n-Butylbenzene	14.79	91	512960	20.369	ug/l	96
90) Hexachloroethane	15.00	117	148124	19.477	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	265421	21.197	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15490	20.168	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	132840	22.971	µg/l	99
94) Hexachlorobutadiene	16.04	225	93713	20.111	µg/l	100
95) Naphthalene	16.11	128	214796	25.456	µg/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	64545	23.897	µg/l	95

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

