

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121018\
 Data File : VD060517.D
 Acq On : 10 Dec 2018 11:36
 Operator : VA/AP
 Sample : VD1210SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:15:07 PM

Quant Time: Dec 11 06:59:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1556257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2246026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1752300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	863943	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	592319	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
35) Dibromofluoromethane	6.33	113	853796	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	9.45	98	2451450	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.43	95	855423	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	464647	28.562	ug/l	96
3) Chloromethane	1.78	50	401968	25.139	ug/l	95
4) Vinyl Chloride	1.87	62	330369	25.888	ug/l	96
5) Bromomethane	2.16	94	62357	19.532	ug/l	100
6) Chloroethane	2.27	64	80409	18.127	ug/l	97
7) Trichlorofluoromethane	2.53	101	327710	22.240	ug/l	98
8) Diethyl Ether	2.84	74	54909	21.574	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.11	101	220706	23.085	ug/l	97
10) Methyl Iodide	3.25	142	247334	22.132	ug/l	95
11) Tert butyl alcohol	3.97	59	44076	98.352	ug/l #	90
12) 1,1-Dichloroethene	3.09	96	179877	23.124	ug/l	98
13) Acrolein	3.00	56	52356	106.919	ug/l	93
14) Allyl chloride	3.55	41	338469	22.934	ug/l	98
15) Acrylonitrile	4.10	53	293592	115.378	ug/l	98
16) Acetone	3.17	43	189529	107.192	ug/l	98
17) Carbon Disulfide	3.32	76	597253	23.637	ug/l	99
18) Methyl Acetate	3.57	43	96894	23.058	ug/l	96
19) Methyl tert-butyl Ether	4.13	73	494256	22.912	ug/l	98
20) Methylene Chloride	3.73	84	412794	23.012	ug/l	96
21) trans-1,2-Dichloroethene	4.11	96	399600	23.616	ug/l	99
22) Diisopropyl ether	4.86	45	1244489	23.486	ug/l	97
23) Vinyl Acetate	4.81	43	3049590	116.159	ug/l	99
24) 1,1-Dichloroethane	4.76	63	648438	23.556	ug/l	99
25) 2-Butanone	5.63	43	383168	110.149	ug/l	98
26) 2,2-Dichloropropane	5.59	77	525094	24.692	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	406625	23.635	ug/l	96
28) Bromochloromethane	5.93	49	262023	21.487	ug/l	99
29) Tetrahydrofuran	5.96	42	225453	114.451	ug/l	99
30) Chloroform	6.11	83	642642	23.172	ug/l	98
31) Cyclohexane	6.37	56	604892	23.680	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	534920	23.462	ug/l	99
36) 1,1-Dichloropropene	6.52	75	490534	22.343	ug/l	97
37) Ethyl Acetate	5.71	43	220176	23.125	ug/l	98
38) Carbon Tetrachloride	6.50	117	455376	23.104	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	575688	23.002	ug/l	98
40) Benzene	6.80	78	1284134	22.886	ug/l	100
41) Methacrylonitrile	5.94	41	129914m	25.311	ug/l	
42) 1,2-Dichloroethane	6.90	62	316251	22.168	ug/l	100
43) Isopropyl Acetate	8.34	43	257610	21.918	ug/l #	95
44) Trichloroethene	7.74	130	390098	23.264	ug/l	97
45) 1,2-Dichloropropane	8.11	63	317374	22.870	ug/l	98
46) Dibromomethane	8.21	93	179184	22.348	ug/l	98
47) Bromodichloromethane	8.49	83	432548	22.737	ug/l	97
48) Methyl methacrylate	8.24	41	163314	23.483	ug/l	98
49) 1,4-Dioxane	8.22	88	29825	473.188	ug/l	95
51) 4-Methyl-2-Pentanone	9.34	43	816899	111.734	ug/l	99
52) Toluene	9.54	92	785504	22.399	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	351684	22.498	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	464599	22.621	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	218282	22.351	ug/l	99
56) Ethyl methacrylate	10.03	69	195717	22.143	ug/l	99
57) 1,3-Dichloropropane	10.38	76	330411	21.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	574074	108.551	ug/l	100
59) 2-Hexanone	10.49	43	570309	111.600	ug/l	99
60) Dibromochloromethane	10.64	129	274711	22.498	ug/l	97
61) 1,2-Dibromoethane	10.75	107	214743	21.576	ug/l	99
64) Tetrachloroethene	10.25	164	358057	23.076	ug/l	98
65) Chlorobenzene	11.31	112	860432	23.210	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	270741	22.659	ug/l	99
67) Ethyl Benzene	11.42	91	1434376	22.684	ug/l	98
68) m/p-Xylenes	11.56	106	1103234	47.161	ug/l	95
69) o-Xylene	11.93	106	512376	22.983	ug/l	95
70) Styrene	11.95	104	833903	23.304	ug/l	99
71) Bromoform	12.11	173	174522	21.893	ug/l	98
73) Isopropylbenzene	12.27	105	1420000	23.227	ug/l	98
74) N-amyl acetate	12.13	43	331455	22.433	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	214803	21.947	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	217204	22.189	ug/l	100
77) Bromobenzene	12.53	156	367456	22.866	ug/l	93
78) n-propylbenzene	12.63	91	1805128	23.358	ug/l	99
79) 2-Chlorotoluene	12.70	91	973580	23.216	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1130625	24.203	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	59736	21.880	ug/l	92
82) 4-Chlorotoluene	12.81	91	1108352	23.532	ug/l	98
83) tert-Butylbenzene	13.05	119	1234313	23.565	ug/l	97
84) 1,2,4-Trimethylbenzene	13.10	105	1153613	23.849	ug/l	98
85) sec-Butylbenzene	13.22	105	1562901	23.940	ug/l	94
86) p-Isopropyltoluene	13.34	119	1211575	23.412	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	666943	22.922	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	660175	23.129	ug/l	99
89) n-Butylbenzene	13.65	91	1255031	21.942	ug/l	98
90) Hexachloroethane	13.85	117	302168	23.288	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	544931	22.918	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	26086	21.996	ug/l	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	422808	22.746	ug/l	98
94) Hexachlorobutadiene	14.88	225	311786	22.734	ug/l	99
95) Naphthalene	14.97	128	498119	22.526	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	330698	22.328	ug/l	98

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

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