

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064242.D
 Acq On : 16 Nov 2019 00:07
 Operator : VA/SY
 Sample : VD1115SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:22:30 PM

Quant Time: Nov 18 01:08:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	570483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	821490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	729747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	354032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	232988	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.92	113	232003	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	10.34	98	856161	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.64	95	286957	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	83972	17.748	ug/l	93
3) Chloromethane	2.21	50	101577	20.015	ug/l	97
4) Vinyl Chloride	2.35	62	119154	21.955	ug/l	99
5) Bromomethane	2.76	94	85790	25.034	ug/l	96
6) Chloroethane	2.92	64	82849	23.891	ug/l	97
7) Trichlorofluoromethane	3.27	101	210613	23.936	ug/l	99
8) Diethyl Ether	3.71	74	47140	19.484	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	95355	18.961	ug/l	100
10) Methyl Iodide	4.29	142	98242	18.449	ug/l	99
11) Tert butyl alcohol	5.26	59	32010	97.679	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	92695	19.337	ug/l	97
13) Acrolein	3.93	56	21977	79.273	ug/l	95
14) Allyl chloride	4.71	41	150976	17.813	ug/l	98
15) Acrylonitrile	5.43	53	110577	107.210	ug/l	98
16) Acetone	4.17	43	83669	75.275	ug/l	99
17) Carbon Disulfide	4.40	76	274194	18.367	ug/l	98
18) Methyl Acetate	4.73	43	65355	21.052	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	224153	19.587	ug/l	97
20) Methylene Chloride	4.97	84	111224	19.810	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	105117	19.355	ug/l	93
22) Diisopropyl ether	6.37	45	291783	18.554	ug/l	98
23) Vinyl Acetate	6.31	43	870088	99.258	ug/l	99
24) 1,1-Dichloroethane	6.26	63	177386	19.427	ug/l	99
25) 2-Butanone	7.23	43	142062	98.928	ug/l	95
26) 2,2-Dichloropropane	7.21	77	150374	16.793	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	117283	20.137	ug/l	93
28) Bromochloromethane	7.55	49	52477	16.508	ug/l	95
29) Tetrahydrofuran	7.57	42	92207	106.871	ug/l	95
30) Chloroform	7.71	83	196440	21.032	ug/l	98
31) Cyclohexane	7.98	56	162996	17.700	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	170570	19.073	ug/l	99
36) 1,1-Dichloropropene	8.11	75	139941	18.458	ug/l	99
37) Ethyl Acetate	7.30	43	65471	20.484	ug/l	97
38) Carbon Tetrachloride	8.10	117	151129	18.629	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172512	17.982	ug/l	96
40) Benzene	8.36	78	394197	19.024	ug/l	98
41) Methacrylonitrile	7.53	41	35442	17.642	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	121670	19.551	ug/l	99
43) Isopropyl Acetate	8.46	43	127179	19.312	ug/l	98
44) Trichloroethene	9.11	130	118905	19.120	ug/l	100
45) 1,2-Dichloropropane	9.39	63	96417	19.117	ug/l	98
46) Dibromomethane	9.48	93	54971	20.360	ug/l	99
47) Bromodichloromethane	9.67	83	139071	19.122	ug/l	100
48) Methyl methacrylate	9.46	41	61904	19.224	ug/l	94
49) 1,4-Dioxane	9.47	88	14534	448.206	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	325580	103.095	ug/l	100
52) Toluene	10.41	92	256061	18.793	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	135333	18.574	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	158768	18.673	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	73852	20.163	ug/l	98
56) Ethyl methacrylate	10.67	69	102808	20.065	ug/l	95
57) 1,3-Dichloropropane	10.95	76	129915	20.338	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	209560	100.969	ug/l	99
59) 2-Hexanone	10.99	43	218784	97.376	ug/l	97
60) Dibromochloromethane	11.14	129	102109	19.979	ug/l	100
61) 1,2-Dibromoethane	11.25	107	76541	20.864	ug/l	98
64) Tetrachloroethene	10.88	164	103783	18.492	ug/l	96
65) Chlorobenzene	11.67	112	280959	18.933	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	107317	19.019	ug/l	98
67) Ethyl Benzene	11.75	91	499163	18.596	ug/l	99
68) m/p-Xylenes	11.85	106	374739	36.423	ug/l	99
69) o-Xylene	12.18	106	175628	18.406	ug/l	99
70) Styrene	12.20	104	308738	18.536	ug/l	99
71) Bromoform	12.37	173	63926	19.907	ug/l #	99
73) Isopropylbenzene	12.48	105	474085	18.244	ug/l	100
74) N-amyl acetate	12.30	43	113583	18.510	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	81005	20.688	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	51978m	18.228	ug/l	
77) Bromobenzene	12.77	156	118568	18.781	ug/l	98
78) n-propylbenzene	12.83	91	551400	18.572	ug/l	100
79) 2-Chlorotoluene	12.91	91	303467	18.105	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	384108	17.989	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	25708	17.908	ug/l	98
82) 4-Chlorotoluene	13.01	91	311667	17.827	ug/l	99
83) tert-Butylbenzene	13.23	119	345136	18.331	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	382492	18.144	ug/l	97
85) sec-Butylbenzene	13.41	105	458545	18.133	ug/l	100
86) p-Isopropyltoluene	13.52	119	429896	17.882	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	217734	18.580	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	214828	18.783	ug/l	98
89) n-Butylbenzene	13.85	91	384151	17.686	ug/l	99
90) Hexachloroethane	14.12	117	80952	18.220	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	190272	19.183	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14247	20.350	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	139656	18.252	ug/l	98
94) Hexachlorobutadiene	15.28	225	92491	18.715	ug/l	100
95) Naphthalene	15.41	128	262828	20.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	125150	19.242	ug/l	98

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

