

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121619\
 Data File : VD064521.D
 Acq On : 16 Dec 2019 13:11
 Operator : VA/SY
 Sample : VD1216SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Manual Integrations
 APPROVED

apatel
 12/17/2019 4:49:12 PM

Quant Time: Dec 17 06:29:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	409970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	593956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	544125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	264970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	195449	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.92	113	200468	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
50) Toluene-d8	10.34	98	755209	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.64	95	241227	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79156	21.309	ug/l	99
3) Chloromethane	2.21	50	102122	21.796	ug/l	95
4) Vinyl Chloride	2.35	62	123426	22.816	ug/l	99
5) Bromomethane	2.76	94	86314	21.576	ug/l	98
6) Chloroethane	2.92	64	81758	22.611	ug/l	93
7) Trichlorofluoromethane	3.27	101	203331	22.610	ug/l	96
8) Diethyl Ether	3.70	74	41030	21.955	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	86652	22.472	ug/l	98
10) Methyl Iodide	4.29	142	90489	22.222	ug/l	99
11) Tert butyl alcohol	5.24	59	25151	106.476	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	81920	22.169	ug/l	98
13) Acrolein	3.93	56	26914	83.534	ug/l	96
14) Allyl chloride	4.71	41	131009	22.717	ug/l	97
15) Acrylonitrile	5.43	53	88321	108.077	ug/l	100
16) Acetone	4.16	43	84721	112.979	ug/l	99
17) Carbon Disulfide	4.40	76	250058	21.366	ug/l	95
18) Methyl Acetate	4.73	43	46170	21.108	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	183854	21.690	ug/l	98
20) Methylene Chloride	4.96	84	91670	21.527	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	93741	22.427	ug/l	95
22) Diisopropyl ether	6.37	45	248567	21.834	ug/l	96
23) Vinyl Acetate	6.31	43	723016	107.726	ug/l	99
24) 1,1-Dichloroethane	6.27	63	151849	22.179	ug/l	99
25) 2-Butanone	7.23	43	115352	108.772	ug/l	95
26) 2,2-Dichloropropane	7.21	77	136689	22.957	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	98888	21.700	ug/l	99
28) Bromochloromethane	7.55	49	37529	16.039	ug/l	95
29) Tetrahydrofuran	7.57	42	73891	109.515	ug/l	97
30) Chloroform	7.71	83	160580	22.647	ug/l	96
31) Cyclohexane	7.98	56	144024	21.477	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	147290	22.405	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125684	22.372	ug/l	98
37) Ethyl Acetate	7.30	43	51117	21.443	ug/l	98
38) Carbon Tetrachloride	8.10	117	135705	22.887	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	153646	22.047	ug/l	99
40) Benzene	8.35	78	340833	21.843	ug/l	100
41) Methacrylonitrile	7.53	41	25587	18.716	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	100973	22.190	ug/l	98
43) Isopropyl Acetate	8.46	43	102002	21.762	ug/l	99
44) Trichloroethene	9.11	130	105709	22.490	ug/l	92
45) 1,2-Dichloropropane	9.39	63	85448	22.898	ug/l	97
46) Dibromomethane	9.48	93	44745	21.245	ug/l	96
47) Bromodichloromethane	9.66	83	124076	22.927	ug/l	95
48) Methyl methacrylate	9.46	41	45549	21.237	ug/l	96
49) 1,4-Dioxane	9.46	88	11444	440.016	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	252140	108.722	ug/l	100
52) Toluene	10.40	92	226843	22.307	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	117118	22.708	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	137242	22.399	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	62385	21.632	ug/l	99
56) Ethyl methacrylate	10.66	69	78697	21.395	ug/l	97
57) 1,3-Dichloropropane	10.95	76	109277	22.259	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	165942	113.169	ug/l	98
59) 2-Hexanone	10.98	43	171492	106.569	ug/l	99
60) Dibromochloromethane	11.14	129	85235	21.798	ug/l	99
61) 1,2-Dibromoethane	11.25	107	63475	22.044	ug/l	95
64) Tetrachloroethene	10.87	164	89402	21.546	ug/l	97
65) Chlorobenzene	11.67	112	241368	21.268	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	91683	21.823	ug/l	99
67) Ethyl Benzene	11.75	91	426437	21.119	ug/l	98
68) m/p-Xylenes	11.86	106	329768	42.833	ug/l	100
69) o-Xylene	12.18	106	148614	20.901	ug/l	97
70) Styrene	12.20	104	264734	21.425	ug/l	99
71) Bromoform	12.36	173	53298	21.205	ug/l #	95
73) Isopropylbenzene	12.48	105	412389	21.640	ug/l	100
74) N-amyl acetate	12.29	43	89586	20.712	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	67164	21.312	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	51137m	23.468	ug/l	
77) Bromobenzene	12.76	156	101945	21.663	ug/l	99
78) n-propylbenzene	12.83	91	481257	21.887	ug/l	100
79) 2-Chlorotoluene	12.91	91	263459	21.776	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	334075	21.452	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23328	23.344	ug/l	90
82) 4-Chlorotoluene	13.01	91	278569	21.746	ug/l	99
83) tert-Butylbenzene	13.23	119	291410	21.524	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	332370	21.225	ug/l	100
85) sec-Butylbenzene	13.41	105	400084	21.531	ug/l	99
86) p-Isopropyltoluene	13.53	119	368992	21.033	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	189730	21.242	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	189792	21.522	ug/l	98
89) n-Butylbenzene	13.86	91	348807	21.894	ug/l	99
90) Hexachloroethane	14.12	117	73414	22.374	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	162194	21.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11136	21.118	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	124670	21.326	ug/l	99
94) Hexachlorobutadiene	15.28	225	78804	21.835	ug/l	98
95) Naphthalene	15.41	128	206342	21.150	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	109431	21.929	ug/l	99

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

