

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064623.D
 Acq On : 27 Dec 2019 03:58
 Operator : VA/SY
 Sample : K6439-03MSD
 Misc : 2.85G/5.00ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF001-01MSD

Manual Integrations
 APPROVED

apatel
 12/27/2019 2:07:29 PM

Quant Time: Dec 27 06:19:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	503807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	809982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	757053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	369097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	262369	59.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.12%	
35) Dibromofluoromethane	7.92	113	267520	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	10.34	98	997699	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.64	95	328279	54.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	38570	9.851	ug/l	99
3) Chloromethane	2.21	50	98087	17.913	ug/l	98
4) Vinyl Chloride	2.35	62	86494	12.955	ug/l	95
5) Bromomethane	2.77	94	80669	16.617	ug/l	90
6) Chloroethane	2.93	64	76514	17.103	ug/l	99
7) Trichlorofluoromethane	3.27	101	131461	11.694	ug/l	98
8) Diethyl Ether	3.71	74	54465	24.398	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	52881	11.358	ug/l	100
10) Methyl Iodide	4.30	142	87886	17.574	ug/l	100
11) Tert butyl alcohol	5.25	59	28543	112.108	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	61639	13.906	ug/l	97
13) Acrolein	3.93	56	30622	86.301	ug/l	92
14) Allyl chloride	4.71	41	129545	18.746	ug/l	98
15) Acrylonitrile	5.43	53	111167	119.553	ug/l	100
16) Acetone	4.17	43	89791	91.769	ug/l	99
17) Carbon Disulfide	4.40	76	213448	14.893	ug/l	98
18) Methyl Acetate	4.73	43	113914	45.546	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	240119	24.390	ug/l	98
20) Methylene Chloride	4.97	84	116908	23.102	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	90885	18.005	ug/l	91
22) Diisopropyl ether	6.37	45	329071	23.873	ug/l	100
23) Vinyl Acetate	6.31	43	668248m	85.463	ug/l	
24) 1,1-Dichloroethane	6.27	63	172660	20.865	ug/l	99
25) 2-Butanone	7.22	43	134738	110.338	ug/l	100
26) 2,2-Dichloropropane	7.21	77	108012	14.039	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	113641	20.860	ug/l	100
28) Bromochloromethane	7.55	49	76876	23.899	ug/l	97
29) Tetrahydrofuran	7.57	42	88387	116.391	ug/l	99
30) Chloroform	7.71	83	194349	22.386	ug/l	99
31) Cyclohexane	7.98	56	95452	11.523	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	132408	16.237	ug/l	98
36) 1,1-Dichloropropene	8.11	75	103970	13.336	ug/l	97
37) Ethyl Acetate	7.30	43	53625	17.509	ug/l	98
38) Carbon Tetrachloride	8.10	117	105781	12.725	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	92604	9.807	ug/l	95
40) Benzene	8.35	78	383905	18.039	ug/l	99
41) Methacrylonitrile	7.54	41	42614	23.981	ug/l	95
42) 1,2-Dichloroethane	8.43	62	136238	22.152	ug/l	99
43) Isopropyl Acetate	8.46	43	116014	19.031	ug/l	98
44) Trichloroethene	9.11	130	103404	16.539	ug/l	90
45) 1,2-Dichloropropane	9.39	63	108350	21.323	ug/l	95
46) Dibromomethane	9.48	93	61569	21.732	ug/l	97
47) Bromodichloromethane	9.66	83	160444	21.283	ug/l	99
48) Methyl methacrylate	9.46	41	68390	23.826	ug/l	94
49) 1,4-Dioxane	9.47	88	14098	431.563	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	316131	104.918	ug/l	100
52) Toluene	10.40	92	247905	17.755	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	151280	21.524	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	174013	20.997	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	86022	22.530	ug/l	95
56) Ethyl methacrylate	10.66	69	92833	19.469	ug/l	98
57) 1,3-Dichloropropane	10.95	76	142207	21.632	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	163872	90.205	ug/l	99
59) 2-Hexanone	10.98	43	207637	101.530	ug/l	98
60) Dibromochloromethane	11.14	129	115410	21.859	ug/l	97
61) 1,2-Dibromoethane	11.25	107	82472	21.900	ug/l	96
64) Tetrachloroethene	10.87	164	76425	13.159	ug/l	97
65) Chlorobenzene	11.67	112	292857	18.638	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	118015	19.924	ug/l	99
67) Ethyl Benzene	11.75	91	456402	16.003	ug/l	97
68) m/p-Xylenes	11.86	106	352009	31.978	ug/l	96
69) o-Xylene	12.18	106	173800	17.480	ug/l	99
70) Styrene	12.20	104	318118	18.228	ug/l	99
71) Bromoform	12.37	173	70572	20.892	ug/l #	98
73) Isopropylbenzene	12.48	105	403321	15.291	ug/l	99
74) N-amyl acetate	12.29	43	83112	14.741	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	88002	21.239	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	61987m	21.268	ug/l	
77) Bromobenzene	12.77	156	130786	20.180	ug/l	98
78) n-propylbenzene	12.83	91	464518	15.096	ug/l	100
79) 2-Chlorotoluene	12.91	91	295560	17.485	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	364727	16.833	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	27102	19.448	ug/l	96
82) 4-Chlorotoluene	13.01	91	319864	17.781	ug/l	99
83) tert-Butylbenzene	13.23	119	275013	14.619	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	379767	17.599	ug/l	99
85) sec-Butylbenzene	13.41	105	357817	13.874	ug/l	98
86) p-Isopropyltoluene	13.52	119	358762	14.548	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	229545	18.579	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	232023	19.116	ug/l	98
89) n-Butylbenzene	13.85	91	296406	13.347	ug/l	98
90) Hexachloroethane	14.12	117	72869	15.469	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	206739	19.624	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13774	20.506	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	140580	18.122	ug/l	99
94) Hexachlorobutadiene	15.28	225	57872	11.856	ug/l	98
95) Naphthalene	15.41	128	244623	19.933	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	126611	19.119	ug/l	98

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

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