

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064648.D
 Acq On : 27 Dec 2019 16:48
 Operator : VA/SY
 Sample : K6431-11MSD
 Misc : 5.41G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:03:10 AM

Quant Time: Dec 30 03:32:49 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	7.99	168	406910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	589089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	525031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	270671	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	184124	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	7.92	113	188261	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.34	98	708737	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.64	95	227447	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	148433	46.938	ug/l	95
3) Chloromethane	2.21	50	218512	49.408	ug/l	98
4) Vinyl Chloride	2.35	62	262324	48.647	ug/l	98
5) Bromomethane	2.77	94	191465	48.833	ug/l	97
6) Chloroethane	2.92	64	185033	51.210	ug/l	100
7) Trichlorofluoromethane	3.27	101	454673	50.076	ug/l	100
8) Diethyl Ether	3.71	74	91065	50.507	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	179932	47.851	ug/l	99
10) Methyl Iodide	4.29	142	205547	50.890	ug/l	100
11) Tert butyl alcohol	5.26	59	56868	276.549	ug/l	96
12) 1,1-Dichloroethene	4.06	96	171508	47.908	ug/l	96
13) Acrolein	3.92	56	72432	252.744	ug/l	100
14) Allyl chloride	4.71	41	277823	49.775	ug/l	99
15) Acrylonitrile	5.43	53	192404	256.192	ug/l	99
16) Acetone	4.17	43	188425	249.348	ug/l	95
17) Carbon Disulfide	4.40	76	549339	47.457	ug/l	100
18) Methyl Acetate	4.73	43	100517	49.760	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	406317	51.099	ug/l	99
20) Methylene Chloride	4.96	84	196678	53.986	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	203060	49.806	ug/l	98
22) Diisopropyl ether	6.37	45	565786	50.821	ug/l	98
23) Vinyl Acetate	6.31	43	1668111	264.139	ug/l	100
24) 1,1-Dichloroethane	6.27	63	338787	50.690	ug/l	97
25) 2-Butanone	7.23	43	260111	263.730	ug/l	99
26) 2,2-Dichloropropane	7.21	77	296790	47.762	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	221446	50.328	ug/l	100
28) Bromochloromethane	7.55	49	144907	55.775	ug/l	97
29) Tetrahydrofuran	7.57	42	157321	256.498	ug/l	99
30) Chloroform	7.71	83	354964	50.622	ug/l	99
31) Cyclohexane	7.99	56	299225	44.726	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	325152	49.369	ug/l	99
36) 1,1-Dichloropropene	8.11	75	276633	48.789	ug/l	99
37) Ethyl Acetate	7.30	43	108366	48.650	ug/l #	95
38) Carbon Tetrachloride	8.10	117	296761	49.085	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	328040	47.768	ug/l	99
40) Benzene	8.36	78	779068	50.333	ug/l	99
41) Methacrylonitrile	7.53	41	64378	49.814	ug/l	93
42) 1,2-Dichloroethane	8.43	62	228526	51.092	ug/l	99
43) Isopropyl Acetate	8.46	43	225827	50.936	ug/l	100
44) Trichloroethene	9.11	130	226979	49.918	ug/l	96
45) 1,2-Dichloropropane	9.39	63	189801	51.358	ug/l	98
46) Dibromomethane	9.48	93	107785	52.311	ug/l	99
47) Bromodichloromethane	9.67	83	276949	50.512	ug/l	97
48) Methyl methacrylate	9.46	41	102218	48.965	ug/l	90
49) 1,4-Dioxane	9.46	88	24679	1038.743	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	567004	258.739	ug/l	100
52) Toluene	10.40	92	507469	49.972	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	261120	51.082	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	309631	51.370	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	141736	51.043	ug/l	98
56) Ethyl methacrylate	10.66	69	182812	52.715	ug/l	99
57) 1,3-Dichloropropane	10.95	76	243819	50.996	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	315936	239.121	ug/l	99
59) 2-Hexanone	10.98	43	392549	263.924	ug/l	100
60) Dibromochloromethane	11.14	129	195936	51.025	ug/l	99
61) 1,2-Dibromoethane	11.25	107	141306	51.594	ug/l	99
64) Tetrachloroethene	10.87	164	196182	48.705	ug/l	98
65) Chlorobenzene	11.67	112	542971	49.828	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	207538	50.521	ug/l	99
67) Ethyl Benzene	11.75	91	983808	49.741	ug/l	99
68) m/p-Xylenes	11.86	106	763131	99.963	ug/l	98
69) o-Xylene	12.18	106	348347	50.518	ug/l	100
70) Styrene	12.20	104	623816	51.540	ug/l	99
71) Bromoform	12.36	173	120607	51.483	ug/l #	97
73) Isopropylbenzene	12.48	105	938122	48.500	ug/l	99
74) N-amyl acetate	12.29	43	211745	51.211	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	150023	49.373	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	110495m	51.696	ug/l	
77) Bromobenzene	12.77	156	229907	48.373	ug/l	98
78) n-propylbenzene	12.83	91	1103293	48.892	ug/l	99
79) 2-Chlorotoluene	12.91	91	605029	48.807	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	778689	49.007	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	52125	51.005	ug/l	99
82) 4-Chlorotoluene	13.01	91	641341	48.616	ug/l	100
83) tert-Butylbenzene	13.23	119	673282	48.804	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	782939	49.476	ug/l	99
85) sec-Butylbenzene	13.41	105	914474	48.351	ug/l	100
86) p-Isopropyltoluene	13.53	119	878111	48.556	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	442408	48.829	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	441063	49.554	ug/l	99
89) n-Butylbenzene	13.85	91	793439	48.720	ug/l	99
90) Hexachloroethane	14.12	117	162243	46.965	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	379405	49.108	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23475	47.657	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	275101	48.360	ug/l	99
94) Hexachlorobutadiene	15.28	225	165695	46.287	ug/l	98
95) Naphthalene	15.41	128	448409	49.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	236156	48.628	ug/l	99

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

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