

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064884.D
 Acq On : 20 Jan 2020 12:14
 Operator : VA/SY
 Sample : L1176-05MSD
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 9:23:28 AM

Quant Time: Jan 21 04:39:41 2020
 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	354850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	509758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	440155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	151051	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.92	113	165848	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
50) Toluene-d8	10.34	98	637976	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
62) 4-Bromofluorobenzene	12.64	95	194137	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114550	41.538	ug/l	100
3) Chloromethane	2.21	50	179620	46.572	ug/l	100
4) Vinyl Chloride	2.36	62	215170	45.756	ug/l	99
5) Bromomethane	2.78	94	144826	42.357	ug/l	99
6) Chloroethane	2.93	64	149354	47.400	ug/l	96
7) Trichlorofluoromethane	3.27	101	353813	44.685	ug/l	96
8) Diethyl Ether	3.71	74	69885	44.447	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	162571	49.577	ug/l	99
10) Methyl Iodide	4.30	142	183670	52.145	ug/l	100
11) Tert butyl alcohol	5.25	59	50168	279.759	ug/l #	89
12) 1,1-Dichloroethene	4.06	96	154267	49.414	ug/l	98
13) Acrolein	3.93	56	19949	79.822	ug/l	99
14) Allyl chloride	4.71	41	258517	53.111	ug/l	99
15) Acrylonitrile	5.44	53	132865	202.869	ug/l	98
16) Acetone	4.16	43	163915	248.665	ug/l	90
17) Carbon Disulfide	4.40	76	440414	43.628	ug/l	98
18) Methyl Acetate	4.73	43	85859	48.739	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	320299	46.191	ug/l	96
20) Methylene Chloride	4.97	84	177786	56.158	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	179110	50.377	ug/l	94
22) Diisopropyl ether	6.37	45	518286	53.384	ug/l	99
23) Vinyl Acetate	6.31	43	1163050	211.183	ug/l	98
24) 1,1-Dichloroethane	6.27	63	320756	55.034	ug/l	97
25) 2-Butanone	7.23	43	188109	218.707	ug/l	100
26) 2,2-Dichloropropane	7.21	77	300548	55.462	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	200350	52.214	ug/l	95
28) Bromochloromethane	7.55	49	113993	50.313	ug/l	98
29) Tetrahydrofuran	7.57	42	104400	195.187	ug/l	100
30) Chloroform	7.71	83	334339	54.676	ug/l	97
31) Cyclohexane	7.98	56	269702	46.228	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	314717	54.795	ug/l	100
36) 1,1-Dichloropropene	8.11	75	254695	51.911	ug/l	99
37) Ethyl Acetate	7.30	43	76039	39.450	ug/l	98
38) Carbon Tetrachloride	8.10	117	286335	54.731	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	282503	47.539	ug/l	94
40) Benzene	8.36	78	715232	53.400	ug/l	100
41) Methacrylonitrile	7.53	41	50351	45.023	ug/l	98
42) 1,2-Dichloroethane	8.43	62	191567	49.494	ug/l	99
43) Isopropyl Acetate	8.46	43	159311	41.525	ug/l	98
44) Trichloroethene	9.11	130	203767	51.787	ug/l	99
45) 1,2-Dichloropropane	9.39	63	172057	53.802	ug/l	99
46) Dibromomethane	9.48	93	82855	46.470	ug/l	99
47) Bromodichloromethane	9.67	83	247128	52.088	ug/l	96
48) Methyl methacrylate	9.46	41	77728	43.028	ug/l	94
49) 1,4-Dioxane	9.47	88	15630	760.250	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	381674	201.273	ug/l	100
52) Toluene	10.41	92	468867	53.356	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	211089	47.721	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	270648	51.891	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	111638	46.460	ug/l	96
56) Ethyl methacrylate	10.67	69	125929	41.964	ug/l	94
57) 1,3-Dichloropropane	10.95	76	192805	46.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	216589	189.440	ug/l	100
59) 2-Hexanone	10.99	43	276098	214.519	ug/l	99
60) Dibromochloromethane	11.15	129	156808	47.191	ug/l	100
61) 1,2-Dibromoethane	11.25	107	103859	43.822	ug/l	99
64) Tetrachloroethene	10.88	164	173390	51.347	ug/l	97
65) Chlorobenzene	11.67	112	480758	52.626	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	183801	53.370	ug/l	100
67) Ethyl Benzene	11.75	91	892649	53.835	ug/l	98
68) m/p-Xylenes	11.86	106	691791	108.092	ug/l	96
69) o-Xylene	12.18	106	312021	53.975	ug/l	100
70) Styrene	12.20	104	538914	53.111	ug/l	99
71) Bromoform	12.37	173	84216	42.881	ug/l #	99
73) Isopropylbenzene	12.48	105	863595	56.896	ug/l	100
74) N-amyl acetate	12.30	43	135670	41.814	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	109195	45.796	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	72527m	43.242	ug/l	
77) Bromobenzene	12.77	156	194486	52.147	ug/l	98
78) n-propylbenzene	12.83	91	1001430	56.554	ug/l	100
79) 2-Chlorotoluene	12.91	91	547712	56.306	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	699509	56.102	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	35482	44.245	ug/l	98
82) 4-Chlorotoluene	13.01	91	583560	56.372	ug/l	99
83) tert-Butylbenzene	13.23	119	600023	55.426	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	702204	56.549	ug/l	98
85) sec-Butylbenzene	13.41	105	830693	55.971	ug/l	99
86) p-Isopropyltoluene	13.53	119	796211	56.106	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	384170	54.034	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	370489	53.045	ug/l	99
89) n-Butylbenzene	13.85	91	710041	55.560	ug/l	99
90) Hexachloroethane	14.12	117	150496	55.517	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	316741	52.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16050	41.522	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	219885	49.258	ug/l	99
94) Hexachlorobutadiene	15.28	225	144908	51.586	ug/l	100
95) Naphthalene	15.41	128	302944	42.898	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	179206	47.025	ug/l	100

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

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