

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067081.D
 Acq On : 05 Oct 2020 14:07
 Operator : VA/SY
 Sample : L4247-03MSD
 Misc : 5.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:55:12 PM

Quant Time: Oct 06 07:43:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	390009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	636410	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	494197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	143078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	205382	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
35) Dibromofluoromethane	7.92	113	221362	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
50) Toluene-d8	10.34	98	704825	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
62) 4-Bromofluorobenzene	12.63	95	189764	36.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	174837	56.311	ug/l	95
3) Chloromethane	2.21	50	168260	54.173	ug/l	96
4) Vinyl Chloride	2.35	62	168832	54.211	ug/l	99
5) Bromomethane	2.77	94	118895	60.103	ug/l	99
6) Chloroethane	2.92	64	98577	51.975	ug/l	98
7) Trichlorofluoromethane	3.28	101	323714	46.784	ug/l	98
8) Diethyl Ether	3.71	74	104848	61.106	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	159296	40.731	ug/l	99
10) Methyl Iodide	4.30	142	216802	57.053	ug/l	100
11) Tert butyl alcohol	5.22	59	58649	270.351	ug/l	100
12) 1,1-Dichloroethene	4.07	96	187295	50.944	ug/l	97
13) Acrolein	3.92	56	58260	231.616	ug/l	99
14) Allyl chloride	4.71	41	264847	55.452	ug/l	98
15) Acrylonitrile	5.43	53	194874	308.587	ug/l	97
16) Acetone	4.16	43	189852	331.076	ug/l	93
17) Carbon Disulfide	4.41	76	549117	48.668	ug/l	98
18) Methyl Acetate	4.71	43	154469	107.177	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	414156	61.708	ug/l	99
20) Methylene Chloride	4.97	84	240131	60.545	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	224512	53.659	ug/l	95
22) Diisopropyl ether	6.36	45	525210	60.234	ug/l	98
23) Vinyl Acetate	6.31	43	1284629	259.993	ug/l	99
24) 1,1-Dichloroethane	6.27	63	363183	53.971	ug/l	99
25) 2-Butanone	7.21	43	237819	292.519	ug/l	93
26) 2,2-Dichloropropane	7.21	77	301820	52.673	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	245623	54.967	ug/l	99
28) Bromochloromethane	7.55	49	150336	57.849	ug/l	97
29) Tetrahydrofuran	7.56	42	144701	309.540	ug/l	98
30) Chloroform	7.71	83	388993	53.288	ug/l	99
31) Cyclohexane	7.99	56	163673	29.012	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	324077	47.904	ug/l	100
36) 1,1-Dichloropropene	8.11	75	249584	42.074	ug/l	99
37) Ethyl Acetate	7.29	43	104567	50.884	ug/l	97
38) Carbon Tetrachloride	8.10	117	268249	41.794	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	160415	25.578	ug/l	98
40) Benzene	8.35	78	813351	49.364	ug/l	98
41) Methacrylonitrile	7.53	41	67446	60.750	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	243525	52.893	ug/l	100
43) Isopropyl Acetate	8.45	43	206750	54.612	ug/l	99
44) Trichloroethene	9.11	130	221026	44.923	ug/l	98
45) 1,2-Dichloropropane	9.38	63	199898	51.635	ug/l	100
46) Dibromomethane	9.47	93	116482	52.350	ug/l	95
47) Bromodichloromethane	9.66	83	293066	50.669	ug/l	97
48) Methyl methacrylate	9.46	41	116407	60.019	ug/l	91
49) 1,4-Dioxane	9.46	88	26225	1129.285	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	552108	292.787	ug/l	99
52) Toluene	10.40	92	484600	45.658	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	268859	52.011	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	326744	51.763	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	200336	64.760	ug/l	95
56) Ethyl methacrylate	10.66	69	208365	65.239	ug/l	96
57) 1,3-Dichloropropane	10.94	76	268360	53.496	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	567749	319.380	ug/l	98
59) 2-Hexanone	10.98	43	411725	327.131	ug/l	98
60) Dibromochloromethane	11.14	129	202888	49.207	ug/l	97
61) 1,2-Dibromoethane	11.24	107	157530	53.004	ug/l	96
64) Tetrachloroethene	10.87	164	141170	39.292	ug/l	95
65) Chlorobenzene	11.67	112	470613	47.880	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	190169	50.864	ug/l	98
67) Ethyl Benzene	11.74	91	725862	43.101	ug/l	99
68) m/p-Xylenes	11.86	106	538677	82.076	ug/l	99
69) o-Xylene	12.18	106	317115	54.031	ug/l	99
70) Styrene	12.20	104	466996	46.337	ug/l	98
71) Bromoform	12.36	173	107095	55.182	ug/l #	99
73) Isopropylbenzene	12.48	105	492696	50.714	ug/l	98
74) N-amyl acetate	12.29	43	211176	120.916	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.73	83	145800	89.072	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	105304m	84.496	ug/l	
77) Bromobenzene	12.76	156	171304	73.024	ug/l	96
78) n-propylbenzene	12.83	91	461773	40.218	ug/l	100
79) 2-Chlorotoluene	12.91	91	407724	62.066	ug/l	92
80) 1,3,5-Trimethylbenzene	12.96	105	768709	93.651	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	52634	105.294	ug/l	93
82) 4-Chlorotoluene	13.01	91	370026	52.942	ug/l	100
83) tert-Butylbenzene	13.23	119	263618	38.139	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	562142	68.625	ug/l	100
85) sec-Butylbenzene	13.41	105	290351	29.829	ug/l	97
86) p-Isopropyltoluene	13.52	119	342869	37.993	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	201983	44.204	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	208756	45.691	ug/l	98
89) n-Butylbenzene	13.85	91	163475	19.821	ug/l #	75
90) Hexachloroethane	14.12	117	75317	47.645	ug/l	59
91) 1,2-Dichlorobenzene	13.90	146	186714	46.789	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24869	94.250	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	52788	20.451	ug/l #	64
94) Hexachlorobutadiene	15.28	225	12465	7.863	ug/l	96
95) Naphthalene	15.41	128	459890	106.817	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	44535	19.875	ug/l #	53

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

