

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065931.D
 Acq On : 07 Jul 2020 19:59
 Operator : VA/SY
 Sample : L3216-01 4PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:17 PM

Quant Time: Jul 08 10:08:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:53:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	408226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	641970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	608009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293414	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	171789	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	7.91	113	184270	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
50) Toluene-d8	10.34	98	669272	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
62) 4-Bromofluorobenzene	12.63	95	233410	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	17673	4.870	ug/l	97
3) Chloromethane	2.20	50	16338	4.541	ug/l	98
4) Vinyl Chloride	2.35	62	14455	4.376	ug/l	89
5) Bromomethane	2.77	94	10233	4.890	ug/l	81
6) Chloroethane	2.92	64	8530	4.320	ug/l	93
7) Trichlorofluoromethane	3.27	101	32602	4.605	ug/l	92
8) Diethyl Ether	3.71	74	9348	4.813	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	18967	4.479	ug/l	98
10) Methyl Iodide	4.30	142	15789	3.926	ug/l	98
11) Tert butyl alcohol	5.21	59	8063	31.078	ug/l #	79
12) 1,1-Dichloroethene	4.06	96	18879	4.772	ug/l	91
13) Acrolein	3.93	56	4298	20.136	ug/l	86
14) Allyl chloride	4.71	41	29513	4.402	ug/l	96
15) Acrylonitrile	5.43	53	18690	21.978	ug/l #	87
16) Acetone	4.16	43	16629	19.613	ug/l	90
17) Carbon Disulfide	4.41	76	56163	4.455	ug/l	96
18) Methyl Acetate	4.71	43	10779	5.423	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	36630	4.373	ug/l	99
20) Methylene Chloride	4.96	84	59433	9.868	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	20321	4.565	ug/l	93
22) Diisopropyl ether	6.36	45	55641	4.416	ug/l	96
23) Vinyl Acetate	6.30	43	141843	19.723	ug/l	96
24) 1,1-Dichloroethane	6.26	63	33497	4.459	ug/l	98
25) 2-Butanone	7.21	43	25787	23.016	ug/l #	85
26) 2,2-Dichloropropane	7.21	77	28790	4.380	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	21646	4.526	ug/l	92
28) Bromochloromethane	7.54	49	12314	4.339	ug/l #	11
29) Tetrahydrofuran	7.56	42	14840	20.830	ug/l	96
30) Chloroform	7.71	83	34848	4.575	ug/l	96
31) Cyclohexane	7.99	56	37211	5.034	ug/l #	72
32) 1,1,1-Trichloroethane	7.90	97	32047	4.611	ug/l	96
36) 1,1-Dichloropropene	8.11	75	27477	4.334	ug/l	96
37) Ethyl Acetate	7.30	43	10431	3.926	ug/l #	71
38) Carbon Tetrachloride	8.09	117	28711	4.225	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	32065	4.119	ug/l	95
40) Benzene	8.35	78	78783	4.498	ug/l	92
41) Methacrylonitrile	7.53	41	6716m	4.354	ug/l	
42) 1,2-Dichloroethane	8.43	62	21969	4.427	ug/l	94
43) Isopropyl Acetate	8.45	43	21652	4.379	ug/l	93
44) Trichloroethene	9.11	130	22365	4.346	ug/l	88
45) 1,2-Dichloropropane	9.38	63	19923	4.583	ug/l #	87
46) Dibromomethane	9.47	93	9510	4.202	ug/l	94
47) Bromodichloromethane	9.67	83	26062	4.293	ug/l #	98
48) Methyl methacrylate	9.46	41	10872	4.367	ug/l	98
49) 1,4-Dioxane	9.46	88	2481	92.253	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	48919	19.568	ug/l	99
52) Toluene	10.41	92	49861	4.474	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	23647	4.142	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	28920	4.192	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	14102	4.522	ug/l	97
56) Ethyl methacrylate	10.67	69	15356	4.032	ug/l	96
57) 1,3-Dichloropropane	10.95	76	23368	4.285	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	35135	19.047	ug/l	98
59) 2-Hexanone	10.99	43	35003	20.358	ug/l	95
60) Dibromochloromethane	11.14	129	18151	4.260	ug/l	98
61) 1,2-Dibromoethane	11.25	107	13430	4.319	ug/l	98
64) Tetrachloroethene	10.88	164	20386	4.611	ug/l	92
65) Chlorobenzene	11.67	112	54348	4.436	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	18722	4.085	ug/l	95
67) Ethyl Benzene	11.75	91	89265	4.101	ug/l	97
68) m/p-Xylenes	11.86	106	70247	8.494	ug/l	96
69) o-Xylene	12.18	106	31570	4.191	ug/l	95
70) Styrene	12.20	104	52449	4.033	ug/l	99
71) Bromoform	12.37	173	10722	4.135	ug/l #	97
73) Isopropylbenzene	12.48	105	83627	4.084	ug/l	100
74) N-amyl acetate	12.29	43	18813	4.094	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	14736	4.335	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	9643m	3.918	ug/l	
77) Bromobenzene	12.76	156	21741	4.377	ug/l	98
78) n-propylbenzene	12.82	91	100683	4.194	ug/l	98
79) 2-Chlorotoluene	12.91	91	59001	4.332	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	71052	4.242	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	4892	4.271	ug/l	88
82) 4-Chlorotoluene	13.01	91	63261	4.427	ug/l	98
83) tert-Butylbenzene	13.23	119	59067	4.139	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	65141	3.907	ug/l	98
85) sec-Butylbenzene	13.40	105	82981	4.103	ug/l	99
86) p-Isopropyltoluene	13.52	119	77006	4.163	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	40365	4.343	ug/l	94
88) 1,4-Dichlorobenzene	13.60	146	40249	4.341	ug/l	91
89) n-Butylbenzene	13.84	91	71539	4.119	ug/l	99
90) Hexachloroethane	14.11	117	15424	4.135	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	34946	4.302	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2491	4.382	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	24582	4.246	ug/l	97
94) Hexachlorobutadiene	15.27	225	15535	4.436	ug/l	97
95) Naphthalene	15.40	128	38742	3.990	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	21640	4.334	ug/l	98

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

