

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072720\
 Data File : VD066065.D
 Acq On : 27 Jul 2020 14:14
 Operator : VA/SY
 Sample : VD0727SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 1:44:09 PM

Quant Time: Jul 27 18:01:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	276488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	381047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	355730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193146	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	121239	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	
35) Dibromofluoromethane	7.92	113	125482	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
50) Toluene-d8	10.34	98	477841	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	
62) 4-Bromofluorobenzene	12.64	95	165842	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	45881	21.866	ug/l	99
3) Chloromethane	2.21	50	35461	20.709	ug/l	96
4) Vinyl Chloride	2.35	62	34475	21.142	ug/l	97
5) Bromomethane	2.76	94	23448	17.151	ug/l	86
6) Chloroethane	2.93	64	20254	20.807	ug/l	94
7) Trichlorofluoromethane	3.27	101	88168	22.229	ug/l	94
8) Diethyl Ether	3.70	74	20427	18.632	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	51236	21.394	ug/l	99
10) Methyl Iodide	4.30	142	52475	26.680	ug/l	96
11) Tert butyl alcohol	5.21	59	25176	169.094	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	46869	20.502	ug/l	87
13) Acrolein	3.93	56	14163	74.720	ug/l	94
14) Allyl chloride	4.71	41	68477	19.163	ug/l	95
15) Acrylonitrile	5.42	53	44192	94.353	ug/l	98
16) Acetone	4.16	43	43135	94.723	ug/l	97
17) Carbon Disulfide	4.41	76	143221	19.314	ug/l	98
18) Methyl Acetate	4.71	43	19521	18.427	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	95395	20.310	ug/l	99
20) Methylene Chloride	4.97	84	64586	24.115	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	51855	20.070	ug/l	93
22) Diisopropyl ether	6.36	45	130542	19.229	ug/l	96
23) Vinyl Acetate	6.30	43	371530	97.037	ug/l	95
24) 1,1-Dichloroethane	6.27	63	83148	20.213	ug/l	98
25) 2-Butanone	7.21	43	55579	91.979	ug/l	99
26) 2,2-Dichloropropane	7.21	77	81549	22.046	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	55925	20.444	ug/l	99
28) Bromochloromethane	7.54	49	34216	19.598	ug/l	90
29) Tetrahydrofuran	7.57	42	35989	96.530	ug/l	99
30) Chloroform	7.71	83	88990	20.682	ug/l	92
31) Cyclohexane	7.98	56	78433	19.381	ug/l #	92
32) 1,1,1-Trichloroethane	7.90	97	89861	22.577	ug/l	98
36) 1,1-Dichloropropene	8.11	75	70077	21.549	ug/l	98
37) Ethyl Acetate	7.30	43	23188	18.670	ug/l	94
38) Carbon Tetrachloride	8.10	117	84962	24.078	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	84202	21.381	ug/l	95
40) Benzene	8.36	78	191216	21.017	ug/l	99
41) Methacrylonitrile	7.53	41	14003m	19.682	ug/l	
42) 1,2-Dichloroethane	8.43	62	54092	21.697	ug/l	98
43) Isopropyl Acetate	8.46	43	49684	20.482	ug/l	97
44) Trichloroethene	9.11	130	59549	21.629	ug/l	95
45) 1,2-Dichloropropane	9.39	63	45420	20.613	ug/l	93
46) Dibromomethane	9.48	93	26778	22.574	ug/l	96
47) Bromodichloromethane	9.66	83	68384	21.803	ug/l	98
48) Methyl methacrylate	9.46	41	25917	21.181	ug/l	97
49) 1,4-Dioxane	9.47	88	5633	409.885	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	121404	99.331	ug/l	98
52) Toluene	10.41	92	131549	22.171	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	67002	22.930	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	77577	21.902	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	36510	21.702	ug/l	96
56) Ethyl methacrylate	10.67	69	41845	21.393	ug/l	97
57) 1,3-Dichloropropane	10.95	76	60617	21.765	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	109573	117.268	ug/l	97
59) 2-Hexanone	10.99	43	89278	105.407	ug/l	100
60) Dibromochloromethane	11.14	129	53300	23.498	ug/l	99
61) 1,2-Dibromoethane	11.25	107	35563	21.924	ug/l	100
64) Tetrachloroethene	10.88	164	54946	22.757	ug/l	92
65) Chlorobenzene	11.67	112	148647	22.822	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	55200	22.953	ug/l	100
67) Ethyl Benzene	11.75	91	257296	22.955	ug/l	93
68) m/p-Xylenes	11.86	106	194040	45.040	ug/l	95
69) o-Xylene	12.18	106	91103	23.250	ug/l	99
70) Styrene	12.20	104	158515	23.545	ug/l	99
71) Bromoform	12.37	173	32506	23.075	ug/l #	97
73) Isopropylbenzene	12.48	105	251073	21.483	ug/l	100
74) N-amyl acetate	12.30	43	47246	19.497	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	39063	20.224	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	24576m	16.899	ug/l	
77) Bromobenzene	12.77	156	62531	20.935	ug/l	96
78) n-propylbenzene	12.83	91	296150	21.837	ug/l	100
79) 2-Chlorotoluene	12.91	91	165537	21.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	213376	22.222	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	12660	19.976	ug/l	96
82) 4-Chlorotoluene	13.01	91	175941	21.514	ug/l	100
83) tert-Butylbenzene	13.23	119	182109	21.674	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	212365	22.418	ug/l	99
85) sec-Butylbenzene	13.41	105	256894	22.197	ug/l	100
86) p-Isopropyltoluene	13.53	119	245086	23.310	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	124137	22.385	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	122515	21.854	ug/l	100
89) n-Butylbenzene	13.86	91	221902	22.697	ug/l	97
90) Hexachloroethane	14.12	117	45630	20.964	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	108650	22.610	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6862	21.677	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	76897	22.294	ug/l	97
94) Hexachlorobutadiene	15.28	225	48503	22.745	ug/l	99
95) Naphthalene	15.41	128	122252	22.064	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	67795	22.609	ug/l	100

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

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