

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066041.D
 Acq On : 24 Jul 2020 12:27
 Operator : VA/SY
 Sample : VD0724SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:03:48 PM

Quant Time: Jul 25 00:09:44 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	7.99	168	307464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	441220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	418364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	127143	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	7.92	113	136935	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	10.34	98	521815	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.64	95	184184	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54844	23.504	ug/l	99
3) Chloromethane	2.21	50	42036	22.076	ug/l	97
4) Vinyl Chloride	2.35	62	41374	22.817	ug/l	97
5) Bromomethane	2.76	94	28895	19.609	ug/l	99
6) Chloroethane	2.91	64	24280	22.430	ug/l	94
7) Trichlorofluoromethane	3.27	101	100525	22.791	ug/l	97
8) Diethyl Ether	3.70	74	24727	20.282	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58582	21.997	ug/l	99
10) Methyl Iodide	4.30	142	59574	27.054	ug/l	93
11) Tert butyl alcohol	5.21	59	19972	111.905	ug/l #	95
12) 1,1-Dichloroethene	4.06	96	54485	21.433	ug/l	93
13) Acrolein	3.91	56	16860	79.988	ug/l	99
14) Allyl chloride	4.71	41	80801	20.333	ug/l	92
15) Acrylonitrile	5.42	53	54061	103.795	ug/l	99
16) Acetone	4.16	43	47518	93.835	ug/l	99
17) Carbon Disulfide	4.41	76	171618	20.812	ug/l	98
18) Methyl Acetate	4.71	43	23717	20.133	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	115736	22.158	ug/l	99
20) Methylene Chloride	4.96	84	76430	25.864	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	61219	21.307	ug/l	92
22) Diisopropyl ether	6.36	45	162924	21.581	ug/l	98
23) Vinyl Acetate	6.31	43	449678	105.615	ug/l	98
24) 1,1-Dichloroethane	6.27	63	101525	22.194	ug/l	98
25) 2-Butanone	7.21	43	63583	94.624	ug/l	98
26) 2,2-Dichloropropane	7.21	77	93458	22.720	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	66556	21.879	ug/l	97
28) Bromochloromethane	7.54	49	39029	20.103	ug/l	94
29) Tetrahydrofuran	7.56	42	40155	96.853	ug/l	95
30) Chloroform	7.71	83	106486	22.254	ug/l	97
31) Cyclohexane	7.99	56	92849	20.632	ug/l	91
32) 1,1,1-Trichloroethane	7.91	97	99697	22.525	ug/l	98
36) 1,1-Dichloropropene	8.11	75	82139	21.813	ug/l	99
37) Ethyl Acetate	7.30	43	30072	20.911	ug/l #	95
38) Carbon Tetrachloride	8.10	117	96484	23.614	ug/l	97

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Quant Time: Jul 25 00:09:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	101146	22.180	ug/l	96
40) Benzene	8.35	78	235786	22.382	ug/l	98
41) Methacrylonitrile	7.53	41	14728m	17.878	ug/l	
42) 1,2-Dichloroethane	8.43	62	65173	22.576	ug/l	99
43) Isopropyl Acetate	8.46	43	59165	21.064	ug/l	98
44) Trichloroethene	9.11	130	71929	22.563	ug/l	90
45) 1,2-Dichloropropane	9.39	63	55993	21.945	ug/l	97
46) Dibromomethane	9.48	93	31650	23.043	ug/l	98
47) Bromodichloromethane	9.66	83	83204	22.910	ug/l	98
48) Methyl methacrylate	9.46	41	31756	22.414	ug/l	99
49) 1,4-Dioxane	9.47	88	5948	373.781	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	149727	105.798	ug/l	97
52) Toluene	10.41	92	157489	22.923	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	77959	23.041	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	94352	23.005	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	45255	23.231	ug/l	93
56) Ethyl methacrylate	10.67	69	49161	21.706	ug/l	95
57) 1,3-Dichloropropane	10.95	76	74989	23.254	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	117418	108.526	ug/l	99
59) 2-Hexanone	10.99	43	102806	104.826	ug/l	97
60) Dibromochloromethane	11.14	129	58930	22.436	ug/l	95
61) 1,2-Dibromoethane	11.25	107	42720	22.745	ug/l	98
64) Tetrachloroethene	10.88	164	64010	22.542	ug/l	95
65) Chlorobenzene	11.67	112	173447	22.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	67898	24.006	ug/l	97
67) Ethyl Benzene	11.75	91	302907	22.978	ug/l	99
68) m/p-Xylenes	11.86	106	236943	46.765	ug/l	99
69) o-Xylene	12.18	106	106741	23.162	ug/l	98
70) Styrene	12.20	104	188839	23.850	ug/l	100
71) Bromoform	12.36	173	37903	22.878	ug/l #	97
73) Isopropylbenzene	12.48	105	304592	22.806	ug/l	97
74) N-amyl acetate	12.30	43	55959	20.208	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	45627	20.672	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	27362m	16.464	ug/l	
77) Bromobenzene	12.77	156	76136	22.306	ug/l	96
78) n-propylbenzene	12.83	91	353479	22.808	ug/l	98
79) 2-Chlorotoluene	12.91	91	195705	22.103	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	253072	23.063	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14828	20.473	ug/l #	94
82) 4-Chlorotoluene	13.01	91	209487	22.415	ug/l	98
83) tert-Butylbenzene	13.23	119	218306	22.736	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	251710	23.251	ug/l	100
85) sec-Butylbenzene	13.41	105	302672	22.885	ug/l	100
86) p-Isopropyltoluene	13.52	119	286459	23.841	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	147305	23.245	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	147969	23.097	ug/l	99
89) n-Butylbenzene	13.85	91	255189	22.841	ug/l	99
90) Hexachloroethane	14.12	117	55370	22.261	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	127530	23.224	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8746	24.177	ug/l	88

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QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	92938	23.578	ug/l	97
94) Hexachlorobutadiene	15.27	225	56064	23.007	ug/l	98
95) Naphthalene	15.41	128	139046	21.977	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	79853	23.304	ug/l	98

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

