

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066040.D
 Acq On : 24 Jul 2020 12:00
 Operator : VA/SY
 Sample : VD0724SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:03:46 PM

Quant Time: Jul 25 00:07:11 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	298325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	429886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	405889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	126219	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
35) Dibromofluoromethane	7.91	113	129724	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.34	98	508042	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.64	95	178640	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	55618	24.566	ug/l	94
3) Chloromethane	2.21	50	42131	22.803	ug/l	99
4) Vinyl Chloride	2.35	62	41218	23.427	ug/l	98
5) Bromomethane	2.76	94	27999	19.575	ug/l	89
6) Chloroethane	2.92	64	24291	23.128	ug/l	97
7) Trichlorofluoromethane	3.27	101	102698	23.997	ug/l	95
8) Diethyl Ether	3.70	74	25637	21.673	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	59040	22.848	ug/l	98
10) Methyl Iodide	4.30	142	58723	27.344	ug/l	98
11) Tert butyl alcohol	5.20	59	22589	135.487	ug/l	99
12) 1,1-Dichloroethene	4.06	96	52948	21.466	ug/l	88
13) Acrolein	3.91	56	15955	78.013	ug/l	95
14) Allyl chloride	4.71	41	82702	21.449	ug/l	95
15) Acrylonitrile	5.42	53	53605	106.072	ug/l	99
16) Acetone	4.16	43	50464	102.705	ug/l #	87
17) Carbon Disulfide	4.41	76	170915	21.362	ug/l	99
18) Methyl Acetate	4.71	43	23819	20.839	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	117002	23.087	ug/l	98
20) Methylene Chloride	4.96	84	74775	26.106	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	61025	21.891	ug/l	95
22) Diisopropyl ether	6.36	45	167970	22.931	ug/l	96
23) Vinyl Acetate	6.30	43	463228	112.130	ug/l	99
24) 1,1-Dichloroethane	6.26	63	100650	22.677	ug/l	98
25) 2-Butanone	7.21	43	67442	103.442	ug/l	96
26) 2,2-Dichloropropane	7.21	77	95404	23.903	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	66263	22.450	ug/l	96
28) Bromochloromethane	7.54	49	39539	20.989	ug/l	96
29) Tetrahydrofuran	7.56	42	42344	105.262	ug/l	95
30) Chloroform	7.71	83	106970	23.040	ug/l	98
31) Cyclohexane	7.99	56	94951	21.745	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	102573	23.885	ug/l	98
36) 1,1-Dichloropropene	8.11	75	84825	23.120	ug/l	99
37) Ethyl Acetate	7.29	43	32274	23.034	ug/l	96
38) Carbon Tetrachloride	8.10	117	96537	24.250	ug/l	97

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Quant Time: Jul 25 00:07:11 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	102485	23.067	ug/l	91
40) Benzene	8.35	78	240292	23.411	ug/l	100
41) Methacrylonitrile	7.52	41	14076	17.537	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	65620	23.330	ug/l	100
43) Isopropyl Acetate	8.45	43	61004	22.292	ug/l	100
44) Trichloroethene	9.11	130	71252	22.939	ug/l	87
45) 1,2-Dichloropropane	9.39	63	59126	23.784	ug/l	99
46) Dibromomethane	9.48	93	31517	23.551	ug/l	95
47) Bromodichloromethane	9.67	83	83327	23.549	ug/l	99
48) Methyl methacrylate	9.46	41	28971	20.987	ug/l	90
49) 1,4-Dioxane	9.46	88	7200	464.387	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	156119	113.223	ug/l	99
52) Toluene	10.41	92	162090	24.215	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	78590	23.840	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	93949	23.510	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	45309	23.872	ug/l	91
56) Ethyl methacrylate	10.66	69	51742	23.448	ug/l	98
57) 1,3-Dichloropropane	10.95	76	74268	23.637	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	123670	117.318	ug/l	99
59) 2-Hexanone	10.99	43	106099	111.036	ug/l	97
60) Dibromochloromethane	11.14	129	63142	24.674	ug/l	100
61) 1,2-Dibromoethane	11.25	107	44670	24.410	ug/l	99
64) Tetrachloroethene	10.88	164	64822	23.530	ug/l	94
65) Chlorobenzene	11.67	112	173868	23.396	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	65688	23.938	ug/l	99
67) Ethyl Benzene	11.75	91	303309	23.716	ug/l	99
68) m/p-Xylenes	11.86	106	241851	49.200	ug/l	98
69) o-Xylene	12.18	106	108220	24.205	ug/l	100
70) Styrene	12.20	104	189412	24.657	ug/l	99
71) Bromoform	12.37	173	38512	23.960	ug/l #	98
73) Isopropylbenzene	12.48	105	301204	22.968	ug/l	100
74) N-amyl acetate	12.30	43	56944	20.942	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	47815	22.062	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	29733m	18.221	ug/l	
77) Bromobenzene	12.77	156	77662	23.172	ug/l	96
78) n-propylbenzene	12.83	91	346132	22.745	ug/l	98
79) 2-Chlorotoluene	12.91	91	200797	23.096	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	253419	23.521	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	16083	22.615	ug/l	98
82) 4-Chlorotoluene	13.01	91	211955	23.097	ug/l	96
83) tert-Butylbenzene	13.23	119	222993	23.652	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	253946	23.890	ug/l	98
85) sec-Butylbenzene	13.41	105	303688	23.385	ug/l	99
86) p-Isopropyltoluene	13.53	119	290403	24.615	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	151948	24.419	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	145224	23.086	ug/l	99
89) n-Butylbenzene	13.85	91	252442	23.012	ug/l	99
90) Hexachloroethane	14.12	117	56673	23.204	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	125190	23.218	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8108	22.827	ug/l	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	94732	24.477	ug/l	98
94) Hexachlorobutadiene	15.27	225	54696	22.859	ug/l	96
95) Naphthalene	15.41	128	142281	22.753	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	80297	23.865	ug/l	99

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

