

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
 Data File : VD066432.D
 Acq On : 27 Aug 2020 13:06
 Operator : VA/SY
 Sample : VD0827SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:19:01 PM

Quant Time: Aug 27 18:07:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	171731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	243540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	221474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120534	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	100307	59.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.16%	
35) Dibromofluoromethane	7.91	113	80096	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
50) Toluene-d8	10.33	98	294103	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.63	95	108252	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	30682	21.015	ug/l	90
3) Chloromethane	2.21	50	18100	17.490	ug/l	97
4) Vinyl Chloride	2.35	62	21512	19.361	ug/l	95
5) Bromomethane	2.76	94	17344	20.869	ug/l	98
6) Chloroethane	2.91	64	14389	20.224	ug/l	96
7) Trichlorofluoromethane	3.27	101	66240	21.923	ug/l	96
8) Diethyl Ether	3.70	74	13472	19.900	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.09	101	29270	19.630	ug/l	96
10) Methyl Iodide	4.30	142	27112	15.942	ug/l	96
11) Tert butyl alcohol	5.19	59	19684	194.147	ug/l #	71
12) 1,1-Dichloroethene	4.07	96	27525	19.665	ug/l	92
13) Acrolein	3.92	56	5161	69.030	ug/l	92
14) Allyl chloride	4.72	41	32361	17.322	ug/l	87
15) Acrylonitrile	5.41	53	25126	92.506	ug/l	96
16) Acetone	4.15	43	31001	102.134	ug/l	94
17) Carbon Disulfide	4.41	76	73373	17.298	ug/l	99
18) Methyl Acetate	4.72	43	9893	17.366	ug/l #	81
19) Methyl tert-butyl Ether	5.48	73	70224	20.836	ug/l	100
20) Methylene Chloride	4.96	84	35563	17.854	ug/l #	87
21) trans-1,2-Dichloroethene	5.46	96	30293	18.593	ug/l	96
22) Diisopropyl ether	6.36	45	64671	17.879	ug/l	94
23) Vinyl Acetate	6.30	43	207275	92.567	ug/l	95
24) 1,1-Dichloroethane	6.26	63	46403	18.154	ug/l	96
25) 2-Butanone	7.21	43	32589	94.574	ug/l #	87
26) 2,2-Dichloropropane	7.20	77	58927	21.509	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	33225	19.032	ug/l	96
28) Bromochloromethane	7.54	49	14336	16.282	ug/l	87
29) Tetrahydrofuran	7.56	42	17416	88.984	ug/l	92
30) Chloroform	7.70	83	61008	20.629	ug/l	97
31) Cyclohexane	7.98	56	40949	17.516	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	64781	21.403	ug/l	98
36) 1,1-Dichloropropene	8.11	75	42283	19.028	ug/l	98
37) Ethyl Acetate	7.29	43	13236	17.513	ug/l #	93
38) Carbon Tetrachloride	8.09	117	62346	21.535	ug/l	95

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Quant Time: Aug 27 18:07:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	47134	18.006	ug/l	90
40) Benzene	8.34	78	110980	18.985	ug/l	96
41) Methacrylonitrile	7.52	41	6507	13.961	ug/l #	71
42) 1,2-Dichloroethane	8.42	62	46322	22.499	ug/l	98
43) Isopropyl Acetate	8.44	43	28410	18.728	ug/l	93
44) Trichloroethene	9.11	130	37372	19.675	ug/l	90
45) 1,2-Dichloropropane	9.38	63	22742	17.160	ug/l #	87
46) Dibromomethane	9.47	93	17124	20.753	ug/l	96
47) Bromodichloromethane	9.66	83	48797	21.504	ug/l #	97
48) Methyl methacrylate	9.46	41	14875	19.016	ug/l	89
49) 1,4-Dioxane	9.45	88	3402	355.071	ug/l	93
51) 4-Methyl-2-Pentanone	10.22	43	70434	95.979	ug/l	98
52) Toluene	10.40	92	80131	20.233	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	44295	20.572	ug/l #	87
54) cis-1,3-Dichloropropene	10.08	75	48605	20.111	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	22342	20.001	ug/l #	91
56) Ethyl methacrylate	10.66	69	25666	19.848	ug/l	95
57) 1,3-Dichloropropane	10.94	76	36666	19.844	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	54795	102.026	ug/l	96
59) 2-Hexanone	10.98	43	48707	94.096	ug/l	97
60) Dibromochloromethane	11.14	129	35308	20.970	ug/l	100
61) 1,2-Dibromoethane	11.24	107	22178	20.175	ug/l	98
64) Tetrachloroethene	10.87	164	33657	20.033	ug/l	93
65) Chlorobenzene	11.67	112	91619	20.793	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	37201	20.659	ug/l	100
67) Ethyl Benzene	11.74	91	160255	20.662	ug/l	94
68) m/p-Xylenes	11.85	106	124154	41.997	ug/l	99
69) o-Xylene	12.18	106	56344	20.487	ug/l	97
70) Styrene	12.20	104	100982	21.384	ug/l	97
71) Bromoform	12.36	173	21568	21.112	ug/l #	98
73) Isopropylbenzene	12.48	105	159757	19.785	ug/l	99
74) N-amyl acetate	12.29	43	26540	18.199	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	21743	18.850	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	19246m	22.697	ug/l	
77) Bromobenzene	12.76	156	42962	20.963	ug/l	94
78) n-propylbenzene	12.82	91	181790	19.636	ug/l	97
79) 2-Chlorotoluene	12.91	91	105153	19.886	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	141920	20.357	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	7309	18.296	ug/l	87
82) 4-Chlorotoluene	13.01	91	113672	20.291	ug/l	99
83) tert-Butylbenzene	13.23	119	121825	20.118	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	143046	20.890	ug/l	98
85) sec-Butylbenzene	13.40	105	156666	19.746	ug/l	98
86) p-Isopropyltoluene	13.52	119	159303	20.823	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	79081	20.672	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	80531	20.965	ug/l	98
89) n-Butylbenzene	13.84	91	130209	19.288	ug/l	97
90) Hexachloroethane	14.12	117	29784	19.709	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	66791	20.281	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5125	21.184	ug/l	87

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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	53746	20.904	ug/l	98
94) Hexachlorobutadiene	15.27	225	32906	20.595	ug/l	96
95) Naphthalene	15.41	128	82087	20.328	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	44851	20.364	ug/l	96

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

