

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066360.D
 Acq On : 21 Aug 2020 15:32
 Operator : VA/SY
 Sample : VD0821SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/24/2020 4:37:25 PM

Quant Time: Aug 22 02:29:28 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	245851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	340645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	313568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169149	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	123322	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	7.91	113	112249	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
50) Toluene-d8	10.34	98	419948	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.63	95	147794	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	47304	22.632	ug/l	89
3) Chloromethane	2.20	50	29517	19.923	ug/l	96
4) Vinyl Chloride	2.34	62	31167	19.593	ug/l	93
5) Bromomethane	2.75	94	21220	17.835	ug/l	96
6) Chloroethane	2.91	64	19261	18.910	ug/l	97
7) Trichlorofluoromethane	3.27	101	83362	19.272	ug/l	96
8) Diethyl Ether	3.71	74	18396	18.982	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	41477	19.430	ug/l	97
10) Methyl Iodide	4.30	142	38100	15.649	ug/l	98
11) Tert butyl alcohol	5.21	59	16865m	94.809	ug/l	
12) 1,1-Dichloroethene	4.06	96	38374	19.151	ug/l	95
13) Acrolein	3.92	56	10313	96.353	ug/l	96
14) Allyl chloride	4.71	41	49462	18.494	ug/l	97
15) Acrylonitrile	5.41	53	38533	99.096	ug/l	94
16) Acetone	4.16	43	42368	97.501	ug/l	96
17) Carbon Disulfide	4.40	76	115084	18.951	ug/l	96
18) Methyl Acetate	4.72	43	16131	19.779	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	92509	19.173	ug/l #	92
20) Methylene Chloride	4.96	84	57311	21.009	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	42789	18.345	ug/l	96
22) Diisopropyl ether	6.36	45	95863	18.513	ug/l	94
23) Vinyl Acetate	6.30	43	308769	96.321	ug/l	99
24) 1,1-Dichloroethane	6.26	63	70122	19.162	ug/l	96
25) 2-Butanone	7.21	43	47337	95.958	ug/l	98
26) 2,2-Dichloropropane	7.20	77	76046	19.389	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	47211	18.890	ug/l	98
28) Bromochloromethane	7.54	49	23196	18.402	ug/l	99
29) Tetrahydrofuran	7.56	42	28777	102.704	ug/l	95
30) Chloroform	7.70	83	80215	18.946	ug/l	95
31) Cyclohexane	7.97	56	63789	19.060	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	85248	19.674	ug/l	97
36) 1,1-Dichloropropene	8.11	75	62556	20.126	ug/l	99
37) Ethyl Acetate	7.29	43	20496	19.388	ug/l #	94
38) Carbon Tetrachloride	8.08	117	80201	19.805	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	73544	20.087	ug/l	96
40) Benzene	8.35	78	160139	19.585	ug/l	98
41) Methacrylonitrile	7.53	41	13978m	21.441	ug/l	
42) 1,2-Dichloroethane	8.42	62	58801	20.418	ug/l	96
43) Isopropyl Acetate	8.44	43	41980	19.785	ug/l	98
44) Trichloroethene	9.10	130	53320	20.069	ug/l	92
45) 1,2-Dichloropropane	9.38	63	37218	20.078	ug/l	97
46) Dibromomethane	9.47	93	22210	19.244	ug/l	96
47) Bromodichloromethane	9.66	83	64578	20.346	ug/l #	98
48) Methyl methacrylate	9.45	41	23575	21.546	ug/l	90
49) 1,4-Dioxane	9.45	88	5364	400.256	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	102801	100.152	ug/l	99
52) Toluene	10.40	92	113997	20.578	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	60189	19.985	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	67625	20.004	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	31246	19.998	ug/l	97
56) Ethyl methacrylate	10.66	69	35011	19.357	ug/l	96
57) 1,3-Dichloropropane	10.94	76	51590	19.962	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	76548	101.900	ug/l	98
59) 2-Hexanone	10.98	43	76271	105.343	ug/l	100
60) Dibromochloromethane	11.14	129	46161	19.600	ug/l	98
61) 1,2-Dibromoethane	11.24	107	30614	19.910	ug/l	98
64) Tetrachloroethene	10.87	164	46847	19.694	ug/l	94
65) Chlorobenzene	11.67	112	124277	19.921	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	50781	19.918	ug/l	96
67) Ethyl Benzene	11.74	91	218642	19.910	ug/l	93
68) m/p-Xylenes	11.85	106	168535	40.266	ug/l	95
69) o-Xylene	12.18	106	79699	20.468	ug/l	96
70) Styrene	12.19	104	136956	20.484	ug/l	99
71) Bromoform	12.36	173	29676	20.517	ug/l #	99
73) Isopropylbenzene	12.48	105	222515	19.637	ug/l	100
74) N-amyl acetate	12.29	43	39669	19.383	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	31914	19.716	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	21723m	18.255	ug/l	
77) Bromobenzene	12.76	156	55931	19.448	ug/l	97
78) n-propylbenzene	12.82	91	257807	19.843	ug/l	99
79) 2-Chlorotoluene	12.91	91	142862	19.253	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	191401	19.564	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	10587	18.885	ug/l	89
82) 4-Chlorotoluene	13.01	91	149549	19.022	ug/l	96
83) tert-Butylbenzene	13.23	119	162642	19.139	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	190388	19.813	ug/l	98
85) sec-Butylbenzene	13.40	105	220588	19.812	ug/l	99
86) p-Isopropyltoluene	13.52	119	213712	19.907	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	106247	19.791	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	106018	19.668	ug/l	99
89) n-Butylbenzene	13.84	91	183132	19.331	ug/l	99
90) Hexachloroethane	14.11	117	40745	19.213	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	93692	20.273	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6209	18.289	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	70244	19.469	ug/l	98
94) Hexachlorobutadiene	15.27	225	43595	19.443	ug/l	96
95) Naphthalene	15.41	128	108190	19.092	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	60143	19.459	ug/l	99

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

