

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066361.D
 Acq On : 21 Aug 2020 15:59
 Operator : VA/SY
 Sample : VD0821SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/24/2020 4:37:12 PM

Quant Time: Aug 22 02:30:49 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	256443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	357621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	329008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	174158	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	125421	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
35) Dibromofluoromethane	7.91	113	111359	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	10.34	98	413677	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.63	95	150764	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	44773	20.537	ug/l	99
3) Chloromethane	2.21	50	30272	19.589	ug/l	100
4) Vinyl Chloride	2.34	62	31289	18.858	ug/l	98
5) Bromomethane	2.75	94	23218	18.708	ug/l	98
6) Chloroethane	2.92	64	20226	19.037	ug/l	99
7) Trichlorofluoromethane	3.27	101	88213	19.551	ug/l	97
8) Diethyl Ether	3.71	74	18108	17.913	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	42612	19.137	ug/l	98
10) Methyl Iodide	4.30	142	40547	15.966	ug/l	97
11) Tert butyl alcohol	5.21	59	21420	127.032	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	39605	18.949	ug/l	93
13) Acrolein	3.92	56	9558	85.611	ug/l	99
14) Allyl chloride	4.71	41	53211	19.074	ug/l	98
15) Acrylonitrile	5.41	53	37802	93.200	ug/l	97
16) Acetone	4.16	43	39281	86.663	ug/l	98
17) Carbon Disulfide	4.40	76	119829	18.918	ug/l	99
18) Methyl Acetate	4.72	43	15780	18.549	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	95661	19.008	ug/l #	88
20) Methylene Chloride	4.96	84	59807	21.022	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	43982	18.077	ug/l	95
22) Diisopropyl ether	6.36	45	104838	19.410	ug/l	98
23) Vinyl Acetate	6.30	43	321000	96.000	ug/l	97
24) 1,1-Dichloroethane	6.27	63	72201	18.916	ug/l	98
25) 2-Butanone	7.20	43	49571	96.336	ug/l #	89
26) 2,2-Dichloropropane	7.20	77	79801	19.506	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	50110	19.222	ug/l	97
28) Bromochloromethane	7.54	49	22613	17.199	ug/l	98
29) Tetrahydrofuran	7.56	42	28845	98.694	ug/l	98
30) Chloroform	7.71	83	82904	18.773	ug/l	99
31) Cyclohexane	7.98	56	66182	18.958	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	86799	19.204	ug/l	99
36) 1,1-Dichloropropene	8.11	75	64096	19.643	ug/l	99
37) Ethyl Acetate	7.29	43	20177	18.180	ug/l #	89
38) Carbon Tetrachloride	8.08	117	83648	19.676	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	75159	19.553	ug/l	91
40) Benzene	8.34	78	169942	19.797	ug/l	99
41) Methacrylonitrile	7.52	41	12679m	18.526	ug/l	
42) 1,2-Dichloroethane	8.42	62	59420	19.654	ug/l	97
43) Isopropyl Acetate	8.44	43	42871	19.246	ug/l	99
44) Trichloroethene	9.10	130	54373	19.493	ug/l	97
45) 1,2-Dichloropropane	9.38	63	38186	19.622	ug/l	95
46) Dibromomethane	9.47	93	23716	19.573	ug/l	99
47) Bromodichloromethane	9.66	83	65289	19.594	ug/l	100
48) Methyl methacrylate	9.45	41	22525	19.609	ug/l	95
49) 1,4-Dioxane	9.46	88	5546	394.192	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	106935	99.234	ug/l	99
52) Toluene	10.40	92	114748	19.731	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	61830	19.555	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	68909	19.417	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	31251	19.052	ug/l	96
56) Ethyl methacrylate	10.66	69	36880	19.422	ug/l	91
57) 1,3-Dichloropropane	10.94	76	52582	19.380	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	78893	100.036	ug/l	98
59) 2-Hexanone	10.98	43	75893	99.845	ug/l	97
60) Dibromochloromethane	11.14	129	47694	19.290	ug/l	99
61) 1,2-Dibromoethane	11.24	107	32133	19.906	ug/l	96
64) Tetrachloroethene	10.87	164	50165	20.100	ug/l	98
65) Chlorobenzene	11.67	112	127785	19.522	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	51807	19.367	ug/l	98
67) Ethyl Benzene	11.74	91	226671	19.673	ug/l	91
68) m/p-Xylenes	11.86	106	176334	40.152	ug/l	97
69) o-Xylene	12.18	106	80399	19.679	ug/l	100
70) Styrene	12.20	104	140415	20.016	ug/l	98
71) Bromoform	12.36	173	30372	20.013	ug/l #	99
73) Isopropylbenzene	12.48	105	231186	19.816	ug/l	99
74) N-amyl acetate	12.29	43	41823	19.848	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	32841	19.705	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	22856m	18.655	ug/l	
77) Bromobenzene	12.76	156	58711	19.827	ug/l	100
78) n-propylbenzene	12.82	91	262525	19.625	ug/l	99
79) 2-Chlorotoluene	12.91	91	148348	19.417	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	199018	19.757	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11424	19.792	ug/l	96
82) 4-Chlorotoluene	13.01	91	157474	19.454	ug/l	99
83) tert-Butylbenzene	13.23	119	168673	19.278	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	199555	20.169	ug/l	98
85) sec-Butylbenzene	13.40	105	224077	19.547	ug/l	99
86) p-Isopropyltoluene	13.52	119	220677	19.964	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	110460	19.984	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	107663	19.399	ug/l	99
89) n-Butylbenzene	13.85	91	187478	19.220	ug/l	99
90) Hexachloroethane	14.11	117	42899	19.646	ug/l	91
91) 1,2-Dichlorobenzene	13.89	146	95087	19.983	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6887	19.702	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72200	19.436	ug/l	97
94) Hexachlorobutadiene	15.27	225	44159	19.128	ug/l	98
95) Naphthalene	15.41	128	110092	18.869	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	61597	19.356	ug/l	98

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

