

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066453.D
 Acq On : 28 Aug 2020 12:10
 Operator : VA/SY
 Sample : VD0828SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:58:43 AM

Quant Time: Aug 29 01:05:00 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	168239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	227921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	208083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	113133	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	92088	55.83	ug/l	0.00
Spiked Amount			Recovery	=	111.66%	
35) Dibromofluoromethane	7.91	113	73866	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
50) Toluene-d8	10.34	98	273699	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.63	95	95826	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	30224	21.131	ug/l	98
3) Chloromethane	2.20	50	17480	17.241	ug/l #	87
4) Vinyl Chloride	2.35	62	20862	19.165	ug/l	90
5) Bromomethane	2.75	94	17082	20.980	ug/l	97
6) Chloroethane	2.92	64	13754	19.733	ug/l #	85
7) Trichlorofluoromethane	3.27	101	65644	22.177	ug/l	99
8) Diethyl Ether	3.71	74	11883	17.918	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	4.09	101	28219	19.318	ug/l	98
10) Methyl Iodide	4.29	142	27399	16.445	ug/l	94
11) Tert butyl alcohol	5.20	59	14177	128.629	ug/l #	78
12) 1,1-Dichloroethene	4.06	96	26408	19.259	ug/l	93
13) Acrolein	3.93	56	3969	54.189	ug/l	87
14) Allyl chloride	4.70	41	28835	15.755	ug/l #	79
15) Acrylonitrile	5.41	53	23232	87.308	ug/l	96
16) Acetone	4.16	43	27971	94.064	ug/l	90
17) Carbon Disulfide	4.40	76	68764	16.547	ug/l #	94
18) Methyl Acetate	4.72	43	9336	16.728	ug/l #	86
19) Methyl tert-butyl Ether	5.47	73	64531	19.545	ug/l #	91
20) Methylene Chloride	4.96	84	29466	13.982	ug/l #	90
21) trans-1,2-Dichloroethene	5.47	96	29800	18.670	ug/l	88
22) Diisopropyl ether	6.36	45	58783	16.589	ug/l	89
23) Vinyl Acetate	6.30	43	190175	86.693	ug/l	99
24) 1,1-Dichloroethane	6.26	63	45940	18.346	ug/l	95
25) 2-Butanone	7.21	43	29201	86.501	ug/l	93
26) 2,2-Dichloropropane	7.21	77	57614	21.467	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	32016	18.720	ug/l	96
28) Bromochloromethane	7.54	49	12778	14.814	ug/l #	74
29) Tetrahydrofuran	7.56	42	15471	80.687	ug/l #	90
30) Chloroform	7.71	83	60354	20.831	ug/l	99
31) Cyclohexane	7.98	56	37115	16.206	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	61704	20.809	ug/l	98
36) 1,1-Dichloropropene	8.10	75	42151	20.268	ug/l	98
37) Ethyl Acetate	7.29	43	13184	18.639	ug/l #	65
38) Carbon Tetrachloride	8.08	117	63410	23.403	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	44796	18.286	ug/l	92
40) Benzene	8.34	78	107917	19.726	ug/l	98
41) Methacrylonitrile	7.53	41	8063m	18.485	ug/l	
42) 1,2-Dichloroethane	8.42	62	42848	22.237	ug/l	98
43) Isopropyl Acetate	8.44	43	26321	18.540	ug/l #	96
44) Trichloroethene	9.11	130	36806	20.704	ug/l	98
45) 1,2-Dichloropropane	9.38	63	21447	17.292	ug/l	95
46) Dibromomethane	9.47	93	15186	19.665	ug/l	95
47) Bromodichloromethane	9.66	83	46351	21.826	ug/l	89
48) Methyl methacrylate	9.45	41	13363	18.253	ug/l	92
49) 1,4-Dioxane	9.46	88	3430	382.526	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	62234	90.616	ug/l	100
52) Toluene	10.40	92	76484	20.635	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	42371	21.027	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	43572	19.264	ug/l #	83
55) 1,1,2-Trichloroethane	10.80	97	20970	20.059	ug/l	96
56) Ethyl methacrylate	10.66	69	22904	18.926	ug/l #	88
57) 1,3-Dichloropropane	10.94	76	33466	19.353	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	47382	94.269	ug/l	91
59) 2-Hexanone	10.98	43	45755	94.450	ug/l	98
60) Dibromochloromethane	11.14	129	33706	21.390	ug/l	100
61) 1,2-Dibromoethane	11.24	107	19967	19.408	ug/l	98
64) Tetrachloroethene	10.87	164	33196	21.030	ug/l	92
65) Chlorobenzene	11.67	112	86226	20.828	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	36042	21.304	ug/l	98
67) Ethyl Benzene	11.74	91	152356	20.907	ug/l	93
68) m/p-Xylenes	11.85	106	118246	42.572	ug/l	98
69) o-Xylene	12.18	106	54046	20.916	ug/l	100
70) Styrene	12.19	104	95200	21.457	ug/l	98
71) Bromoform	12.36	173	20882	21.756	ug/l #	100
73) Isopropylbenzene	12.48	105	157840	20.827	ug/l	99
74) N-amyl acetate	12.28	43	24738	18.073	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	19075	17.619	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	17398m	21.860	ug/l	
77) Bromobenzene	12.76	156	40033	20.812	ug/l	96
78) n-propylbenzene	12.82	91	175236	20.166	ug/l	98
79) 2-Chlorotoluene	12.91	91	98651	19.877	ug/l	96
80) 1,3,5-Trimethylbenzene	12.96	105	134148	20.501	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	7267	19.381	ug/l	94
82) 4-Chlorotoluene	13.01	91	105051	19.978	ug/l	97
83) tert-Butylbenzene	13.23	119	116744	20.540	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	135431	21.072	ug/l	100
85) sec-Butylbenzene	13.40	105	152729	20.510	ug/l	98
86) p-Isopropyltoluene	13.52	119	148675	20.706	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	73269	20.405	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	73991	20.523	ug/l	98
89) n-Butylbenzene	13.84	91	125494	19.805	ug/l	98
90) Hexachloroethane	14.11	117	28424	20.039	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	64310	20.805	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4730	20.831	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	49537	20.528	ug/l	98
94) Hexachlorobutadiene	15.27	225	31631	21.092	ug/l	97
95) Naphthalene	15.41	128	75795	19.998	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	41808	20.224	ug/l	96

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

