

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072820\
 Data File : VD066074.D
 Acq On : 28 Jul 2020 12:22
 Operator : VA/SY
 Sample : VD0728SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/29/2020 7:05:55 PM

Quant Time: Jul 29 01:47:06 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	261000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	364556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	346221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	191826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	110781	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	7.91	113	116796	52.82	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.64%	
50) Toluene-d8	10.34	98	434570	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.64	95	154974	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	42507	21.460	ug/l	96
3) Chloromethane	2.21	50	33815	20.920	ug/l	99
4) Vinyl Chloride	2.35	62	30993	20.135	ug/l	98
5) Bromomethane	2.76	94	22462	17.487	ug/l	99
6) Chloroethane	2.92	64	19367	21.077	ug/l	96
7) Trichlorofluoromethane	3.27	101	82404	22.009	ug/l	96
8) Diethyl Ether	3.71	74	19026	18.384	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	46214	20.442	ug/l	93
10) Methyl Iodide	4.30	142	48201	26.199	ug/l	97
11) Tert butyl alcohol	5.21	59	19549m	133.692	ug/l	
12) 1,1-Dichloroethene	4.06	96	43666	20.235	ug/l	93
13) Acrolein	3.93	56	13154	73.515	ug/l	100
14) Allyl chloride	4.71	41	61330	18.181	ug/l	89
15) Acrylonitrile	5.41	53	39991	90.450	ug/l	98
16) Acetone	4.15	43	37693	87.684	ug/l	89
17) Carbon Disulfide	4.40	76	133049	19.007	ug/l	99
18) Methyl Acetate	4.71	43	17518	17.518	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	89877	20.271	ug/l	98
20) Methylene Chloride	4.97	84	58119	22.841	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	48767	19.995	ug/l	97
22) Diisopropyl ether	6.36	45	123705	19.303	ug/l	99
23) Vinyl Acetate	6.30	43	336311	93.050	ug/l	97
24) 1,1-Dichloroethane	6.26	63	79726	20.532	ug/l	96
25) 2-Butanone	7.21	43	49107	86.091	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	77748	22.265	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	52575	20.360	ug/l	96
28) Bromochloromethane	7.54	49	31897	19.354	ug/l	92
29) Tetrahydrofuran	7.56	42	31396	89.208	ug/l	96
30) Chloroform	7.71	83	86150	21.210	ug/l	98
31) Cyclohexane	7.98	56	73864	19.335	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	80834	21.514	ug/l	99
36) 1,1-Dichloropropene	8.11	75	69328	22.283	ug/l	98
37) Ethyl Acetate	7.28	43	24088	20.272	ug/l #	92
38) Carbon Tetrachloride	8.10	117	79236	23.471	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	80968	21.489	ug/l	98
40) Benzene	8.35	78	184334	21.177	ug/l	92
41) Methacrylonitrile	7.53	41	13156	19.328	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	53777	22.546	ug/l	97
43) Isopropyl Acetate	8.45	43	44981	19.382	ug/l	97
44) Trichloroethene	9.11	130	57094	21.675	ug/l	88
45) 1,2-Dichloropropane	9.39	63	43717	20.737	ug/l	98
46) Dibromomethane	9.47	93	22791	20.082	ug/l	93
47) Bromodichloromethane	9.66	83	65092	21.692	ug/l	92
48) Methyl methacrylate	9.46	41	24039	20.535	ug/l	96
49) 1,4-Dioxane	9.47	88	5424	412.531	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	110257	94.292	ug/l	97
52) Toluene	10.41	92	124812	21.988	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	62301	22.285	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	73629	21.727	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	34259	21.285	ug/l	89
56) Ethyl methacrylate	10.66	69	38172	20.398	ug/l #	95
57) 1,3-Dichloropropane	10.95	76	57012	21.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	102854	115.057	ug/l	98
59) 2-Hexanone	10.99	43	77635	95.807	ug/l	95
60) Dibromochloromethane	11.14	129	48301	22.257	ug/l	99
61) 1,2-Dibromoethane	11.25	107	31846	20.521	ug/l	92
64) Tetrachloroethene	10.88	164	53843	22.913	ug/l	97
65) Chlorobenzene	11.67	112	139140	21.949	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	51559	22.027	ug/l	97
67) Ethyl Benzene	11.75	91	241307	22.120	ug/l	99
68) m/p-Xylenes	11.86	106	187502	44.718	ug/l	97
69) o-Xylene	12.18	106	84987	22.285	ug/l	96
70) Styrene	12.20	104	149289	22.783	ug/l	100
71) Bromoform	12.37	173	29813	21.744	ug/l #	100
73) Isopropylbenzene	12.48	105	241593	20.814	ug/l	100
74) N-amyl acetate	12.30	43	42899	17.825	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	35729	18.626	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	27395m	18.967	ug/l	
77) Bromobenzene	12.77	156	61630	20.776	ug/l	94
78) n-propylbenzene	12.83	91	287844	21.370	ug/l	99
79) 2-Chlorotoluene	12.91	91	157970	20.529	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	205266	21.525	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11760	18.683	ug/l	95
82) 4-Chlorotoluene	13.01	91	173172	21.321	ug/l	99
83) tert-Butylbenzene	13.23	119	174856	20.954	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	198988	21.150	ug/l	100
85) sec-Butylbenzene	13.41	105	248666	21.634	ug/l	100
86) p-Isopropyltoluene	13.53	119	228053	21.839	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	116638	21.178	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	117243	21.058	ug/l	98
89) n-Butylbenzene	13.85	91	206630	21.281	ug/l	97
90) Hexachloroethane	14.12	117	44079	20.391	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	102230	21.421	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6133	19.508	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72401	21.135	ug/l	99
94) Hexachlorobutadiene	15.28	225	47116	22.247	ug/l	98
95) Naphthalene	15.41	128	107623	19.960	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	62164	20.874	ug/l	100

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

