

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062620\
 Data File : VD065875.D
 Acq On : 26 Jun 2020 11:38
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 26 18:44:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 18:33:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	151943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	249151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	225308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	105951	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	30653	19.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.96%	
35) Dibromofluoromethane	7.91	113	30009	20.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	40.16%	
50) Toluene-d8	10.34	98	110762	19.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.14%	
62) 4-Bromofluorobenzene	12.64	95	34393	18.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	31945	22.255	ug/l	98
3) Chloromethane	2.21	50	43337	21.310	ug/l	100
4) Vinyl Chloride	2.35	62	49321	22.350	ug/l	99
5) Bromomethane	2.76	94	30482	21.150	ug/l	99
6) Chloroethane	2.91	64	30592	21.623	ug/l	99
7) Trichlorofluoromethane	3.27	101	60293	21.203	ug/l	99
8) Diethyl Ether	3.71	74	15107	20.858	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	32953	20.708	ug/l	99
10) Methyl Iodide	4.30	142	28508	19.284	ug/l	98
11) Tert butyl alcohol	5.22	59	8149	93.384	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	31855	21.081	ug/l	98
13) Acrolein	3.92	56	12108	108.839	ug/l	97
14) Allyl chloride	4.71	41	49210	20.954	ug/l	94
15) Acrylonitrile	5.42	53	34681	109.997	ug/l	95
16) Acetone	4.16	43	31544	101.457	ug/l	94
17) Carbon Disulfide	4.41	76	108342	21.737	ug/l	99
18) Methyl Acetate	4.71	43	14281	21.542	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	67681	20.900	ug/l	97
20) Methylene Chloride	4.97	84	37433	19.871	ug/l	83
21) trans-1,2-Dichloroethene	5.47	96	35223	20.704	ug/l	99
22) Diisopropyl ether	6.36	45	97554	20.162	ug/l	96
23) Vinyl Acetate	6.31	43	283668	100.928	ug/l	99
24) 1,1-Dichloroethane	6.26	63	59770	20.374	ug/l	99
25) 2-Butanone	7.21	43	42267	102.345	ug/l	95
26) 2,2-Dichloropropane	7.21	77	52845	19.844	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	38455	21.025	ug/l	97
28) Bromochloromethane	7.54	49	22212	20.600	ug/l	99
29) Tetrahydrofuran	7.57	42	27454	107.309	ug/l	96
30) Chloroform	7.71	83	63737	20.582	ug/l	96
31) Cyclohexane	7.98	56	55514	19.873	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	58114	20.206	ug/l	100
36) 1,1-Dichloropropene	8.11	75	49821	20.259	ug/l	98
37) Ethyl Acetate	7.29	43	17487	18.659	ug/l #	97
38) Carbon Tetrachloride	8.10	117	52788	20.162	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	57851	20.157	ug/l	96
40) Benzene	8.35	78	137926	20.356	ug/l	95
41) Methacrylonitrile	7.52	41	9771	16.786	ug/l #	1
42) 1,2-Dichloroethane	8.42	62	40626	20.509	ug/l	100
43) Isopropyl Acetate	8.46	43	35645	19.638	ug/l	99
44) Trichloroethene	9.11	130	36615	20.300	ug/l	93
45) 1,2-Dichloropropane	9.38	63	32162	19.672	ug/l	100
46) Dibromomethane	9.48	93	18377	20.863	ug/l	97
47) Bromodichloromethane	9.66	83	48507	20.224	ug/l	96
48) Methyl methacrylate	9.46	41	17330	19.539	ug/l	96
49) 1,4-Dioxane	9.46	88	4364	445.298	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	90518	98.799	ug/l	99
52) Toluene	10.41	92	86237	19.830	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	44885	20.276	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	54396	20.537	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	24291	20.555	ug/l	91
56) Ethyl methacrylate	10.66	69	28931	19.757	ug/l	99
57) 1,3-Dichloropropane	10.95	76	42071	20.077	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	65156	101.654	ug/l	98
59) 2-Hexanone	10.98	43	63734	98.402	ug/l	97
60) Dibromochloromethane	11.14	129	32368	20.307	ug/l	99
61) 1,2-Dibromoethane	11.25	107	23059	20.072	ug/l	98
64) Tetrachloroethene	10.88	164	30489	20.814	ug/l	96
65) Chlorobenzene	11.67	112	90718	20.416	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	33214	20.178	ug/l	98
67) Ethyl Benzene	11.74	91	163188	19.806	ug/l	96
68) m/p-Xylenes	11.86	106	124115	39.490	ug/l	99
69) o-Xylene	12.18	106	55665	19.763	ug/l	97
70) Styrene	12.20	104	97043	19.687	ug/l	99
71) Bromoform	12.37	173	18002	20.529	ug/l #	95
73) Isopropylbenzene	12.48	105	154168	20.347	ug/l	99
74) N-amyl acetate	12.29	43	34051	20.581	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	26085	20.882	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	19138m	21.788	ug/l	
77) Bromobenzene	12.76	156	35278	20.685	ug/l	98
78) n-propylbenzene	12.83	91	188621	20.614	ug/l	98
79) 2-Chlorotoluene	12.91	91	103457	20.576	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	128379	20.334	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	8719	20.437	ug/l	99
82) 4-Chlorotoluene	13.01	91	110232	20.387	ug/l	97
83) tert-Butylbenzene	13.23	119	104857	19.540	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	127107	20.231	ug/l	99
85) sec-Butylbenzene	13.41	105	153107	20.195	ug/l	97
86) p-Isopropyltoluene	13.52	119	139483	20.037	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	66683	20.073	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	68064	20.494	ug/l	98
89) n-Butylbenzene	13.85	91	136509	20.226	ug/l	98
90) Hexachloroethane	14.12	117	29778	21.216	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	59665	20.554	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4140	20.690	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	39293	20.952	ug/l	97
94) Hexachlorobutadiene	15.27	225	21125	20.474	ug/l	97
95) Naphthalene	15.40	128	68778	21.065	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	32120	20.730	ug/l	99

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

