

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032620\
 Data File : VD065528.D
 Acq On : 26 Mar 2020 16:34
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 3/27/2020 10:12:18 AM

Quant Time: Mar 27 01:26:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:12:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	516426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	741993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	686953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	347162	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	86000	19.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.10%	
35) Dibromofluoromethane	7.92	113	91375	20.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.04%	
50) Toluene-d8	10.34	98	345738	19.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.62%	
62) 4-Bromofluorobenzene	12.64	95	109452	20.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	78057	18.582	ug/l	96
3) Chloromethane	2.21	50	103295	19.901	ug/l	97
4) Vinyl Chloride	2.35	62	101962	19.847	ug/l	98
5) Bromomethane	2.76	94	67754	20.211	ug/l	99
6) Chloroethane	2.92	64	64400	20.284	ug/l	94
7) Trichlorofluoromethane	3.27	101	149796	19.653	ug/l	98
8) Diethyl Ether	3.71	74	45755	19.933	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97640	19.750	ug/l	99
10) Methyl Iodide	4.30	142	103925	20.001	ug/l	100
11) Tert butyl alcohol	5.23	59	28260	111.973	ug/l #	73
12) 1,1-Dichloroethene	4.06	96	92390	19.575	ug/l	94
13) Acrolein	3.93	56	39871	90.123	ug/l	97
14) Allyl chloride	4.71	41	135492	18.746	ug/l	98
15) Acrylonitrile	5.43	53	97229	97.942	ug/l	98
16) Acetone	4.17	43	81648	92.356	ug/l	95
17) Carbon Disulfide	4.40	76	306181	19.553	ug/l	100
18) Methyl Acetate	4.72	43	42491	18.889	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	176419	19.286	ug/l	98
20) Methylene Chloride	4.96	84	127416	23.121	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	105084	19.974	ug/l	99
22) Diisopropyl ether	6.37	45	276069	20.376	ug/l	98
23) Vinyl Acetate	6.31	43	729791	97.166	ug/l	100
24) 1,1-Dichloroethane	6.27	63	173300	20.017	ug/l	99
25) 2-Butanone	7.22	43	110231	91.384	ug/l	97
26) 2,2-Dichloropropane	7.21	77	151809	19.952	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	105454	19.574	ug/l	98
28) Bromochloromethane	7.55	49	70923	20.259	ug/l	98
29) Tetrahydrofuran	7.57	42	73931	95.995	ug/l	98
30) Chloroform	7.71	83	178708	20.565	ug/l	97
31) Cyclohexane	7.98	56	163415	18.953	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	163213	20.357	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142939	20.398	ug/l	98
37) Ethyl Acetate	7.30	43	55364	20.315	ug/l #	95
38) Carbon Tetrachloride	8.10	117	147144	20.184	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	163912	19.452	ug/l	99
40) Benzene	8.36	78	403368	20.547	ug/l	95
41) Methacrylonitrile	7.54	41	32324	21.902	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	107747	20.883	ug/l	97
43) Isopropyl Acetate	8.46	43	95168	18.968	ug/l	98
44) Trichloroethene	9.11	130	114655	20.628	ug/l	98
45) 1,2-Dichloropropane	9.39	63	100307	21.054	ug/l	94
46) Dibromomethane	9.48	93	51733	20.903	ug/l	99
47) Bromodichloromethane	9.67	83	137826	21.399	ug/l	100
48) Methyl methacrylate	9.46	41	49555	20.919	ug/l	95
49) 1,4-Dioxane	9.47	88	11789	413.725	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	248276	98.008	ug/l	99
52) Toluene	10.41	92	256509	20.703	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	122652	20.357	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	151107	20.739	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	73553	20.867	ug/l	97
56) Ethyl methacrylate	10.67	69	75831	19.108	ug/l	96
57) 1,3-Dichloropropane	10.95	76	122920	20.633	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	201026	138.601	ug/l	100
59) 2-Hexanone	10.99	43	166615	95.280	ug/l	98
60) Dibromochloromethane	11.14	129	98144	21.679	ug/l	96
61) 1,2-Dibromoethane	11.25	107	69368	20.555	ug/l	99
64) Tetrachloroethene	10.88	164	102113	20.873	ug/l	94
65) Chlorobenzene	11.67	112	278954	20.675	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	104465	21.139	ug/l	99
67) Ethyl Benzene	11.75	91	466460	20.081	ug/l	100
68) m/p-Xylenes	11.86	106	372885	41.595	ug/l	100
69) o-Xylene	12.18	106	160208	20.306	ug/l	100
70) Styrene	12.20	104	289775	20.797	ug/l	100
71) Bromoform	12.37	173	57620	20.711	ug/l #	100
73) Isopropylbenzene	12.48	105	442691	19.790	ug/l	99
74) N-amyl acetate	12.30	43	84622	18.456	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	77835	19.694	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	51055m	18.496	ug/l	
77) Bromobenzene	12.77	156	115144	20.508	ug/l	99
78) n-propylbenzene	12.83	91	527531	19.805	ug/l	99
79) 2-Chlorotoluene	12.91	91	301501	20.042	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	375382	20.395	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24303	18.982	ug/l	97
82) 4-Chlorotoluene	13.01	91	329364	20.853	ug/l	99
83) tert-Butylbenzene	13.23	119	304475	19.510	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	374044	20.564	ug/l	99
85) sec-Butylbenzene	13.41	105	438599	19.768	ug/l	99
86) p-Isopropyltoluene	13.53	119	410926	20.273	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	222793	20.632	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	218766	20.351	ug/l	97
89) n-Butylbenzene	13.86	91	356641	19.113	ug/l	99
90) Hexachloroethane	14.12	117	84944	20.333	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	189480	20.617	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11178	18.507	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	124860	20.011	ug/l	99
94) Hexachlorobutadiene	15.28	225	83064	20.389	ug/l	99
95) Naphthalene	15.41	128	177869	17.886	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	106772	19.808	ug/l	97

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

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