

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032620\
 Data File : VD065532.D
 Acq On : 26 Mar 2020 19:21
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV032620

Manual Integrations
 APPROVED

apatel
 3/27/2020 10:12:33 AM

Quant Time: Mar 27 01:54:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	535812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	767756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	709478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	350688	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	225372	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
35) Dibromofluoromethane	7.92	113	244724	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.34	98	935509	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
62) 4-Bromofluorobenzene	12.64	95	300517	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	147160	49.959	ug/l	96
3) Chloromethane	2.21	50	218302	51.725	ug/l	99
4) Vinyl Chloride	2.35	62	227007	45.846	ug/l	98
5) Bromomethane	2.77	94	160959	51.578	ug/l	98
6) Chloroethane	2.93	64	151916	47.478	ug/l	97
7) Trichlorofluoromethane	3.27	101	352196	47.677	ug/l	100
8) Diethyl Ether	3.70	74	113667	48.494	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	232713	47.765	ug/l	98
10) Methyl Iodide	4.30	142	286429	50.809	ug/l	99
11) Tert butyl alcohol	5.25	59	65013	259.204	ug/l #	73
12) 1,1-Dichloroethene	4.06	96	225397	48.692	ug/l	98
13) Acrolein	3.92	56	105332	248.730	ug/l	99
14) Allyl chloride	4.71	41	358162	50.851	ug/l	99
15) Acrylonitrile	5.43	53	243865	252.659	ug/l	100
16) Acetone	4.17	43	174759	207.654	ug/l	95
17) Carbon Disulfide	4.40	76	736291	48.248	ug/l	99
18) Methyl Acetate	4.72	43	105719	48.309	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	487352	52.790	ug/l	99
20) Methylene Chloride	4.96	84	264081	50.762	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	263891	49.551	ug/l	97
22) Diisopropyl ether	6.37	45	724989	53.081	ug/l	97
23) Vinyl Acetate	6.31	43	2021004	271.662	ug/l	99
24) 1,1-Dichloroethane	6.27	63	433745	50.081	ug/l	98
25) 2-Butanone	7.22	43	281005	245.861	ug/l	99
26) 2,2-Dichloropropane	7.21	77	370782	48.345	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	280804	50.883	ug/l	100
28) Bromochloromethane	7.56	49	171731	47.689	ug/l	99
29) Tetrahydrofuran	7.57	42	187839	253.577	ug/l	99
30) Chloroform	7.71	83	445273	49.632	ug/l	100
31) Cyclohexane	7.98	56	404292	48.220	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	403793	49.820	ug/l	99
36) 1,1-Dichloropropene	8.11	75	353057	50.331	ug/l	100
37) Ethyl Acetate	7.30	43	135715	50.544	ug/l	98
38) Carbon Tetrachloride	8.10	117	365387	49.456	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	437247	52.870	ug/l	98
40) Benzene	8.36	78	1017563	50.836	ug/l	98
41) Methacrylonitrile	7.53	41	76341	49.254	ug/l	98
42) 1,2-Dichloroethane	8.43	62	268892	50.483	ug/l	98
43) Isopropyl Acetate	8.46	43	254590	52.213	ug/l	98
44) Trichloroethene	9.11	130	290077	49.946	ug/l	100
45) 1,2-Dichloropropane	9.39	63	249663	51.347	ug/l	95
46) Dibromomethane	9.48	93	131265	51.448	ug/l	97
47) Bromodichloromethane	9.67	83	344441	50.960	ug/l	97
48) Methyl methacrylate	9.46	41	120719	52.069	ug/l	100
49) 1,4-Dioxane	9.47	88	30577	1102.114	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	664994	270.251	ug/l	99
52) Toluene	10.41	92	654494	51.631	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	320668	51.872	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	397527	52.559	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	182105	50.033	ug/l	95
56) Ethyl methacrylate	10.67	69	217592	49.023	ug/l	99
57) 1,3-Dichloropropane	10.95	76	312594	51.037	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	562266	272.230	ug/l	99
59) 2-Hexanone	10.99	43	440039	262.282	ug/l	99
60) Dibromochloromethane	11.14	129	244942	50.782	ug/l	99
61) 1,2-Dibromoethane	11.25	107	176893	50.216	ug/l	99
64) Tetrachloroethene	10.88	164	253530	49.886	ug/l	96
65) Chlorobenzene	11.68	112	707823	51.032	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	263968	51.033	ug/l	99
67) Ethyl Benzene	11.75	91	1242325	53.177	ug/l	100
68) m/p-Xylenes	11.86	106	964759	105.175	ug/l	100
69) o-Xylene	12.18	106	436678	54.358	ug/l	99
70) Styrene	12.20	104	771456	54.370	ug/l	99
71) Bromoform	12.37	173	143699	50.368	ug/l #	98
73) Isopropylbenzene	12.48	105	1175429	54.587	ug/l	100
74) N-amyl acetate	12.30	43	232728	54.764	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	188189	50.314	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	130045m	48.234	ug/l	
77) Bromobenzene	12.77	156	297179	52.812	ug/l	99
78) n-propylbenzene	12.83	91	1383170	53.888	ug/l	99
79) 2-Chlorotoluene	12.91	91	770844	52.642	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	975500	54.656	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	63687	52.728	ug/l	99
82) 4-Chlorotoluene	13.01	91	817140	52.510	ug/l	99
83) tert-Butylbenzene	13.23	119	814630	54.497	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	975172	54.652	ug/l	100
85) sec-Butylbenzene	13.41	105	1151969	53.852	ug/l	100
86) p-Isopropyltoluene	13.53	119	1068512	54.204	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	557069	51.426	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	548538	50.679	ug/l	100
89) n-Butylbenzene	13.86	91	970298	54.202	ug/l	100
90) Hexachloroethane	14.12	117	208312	50.392	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	474054	51.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27785	49.310	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	329815	51.863	ug/l	99
94) Hexachlorobutadiene	15.28	225	214104	51.665	ug/l	97
95) Naphthalene	15.41	128	529364	48.969	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	288213	52.769	ug/l	99

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

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