

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032620\
 Data File : VD065526.D
 Acq On : 26 Mar 2020 15:39
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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

Quant Time: Mar 27 01:41:42 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	488421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	744664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	676280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	337339	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	22976	5.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.04%	
35) Dibromofluoromethane	7.91	113	25445	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	
50) Toluene-d8	10.34	98	86613	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.64	95	26424	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	23277	5.859	ug/l	95
3) Chloromethane	2.21	50	28408	5.787	ug/l	98
4) Vinyl Chloride	2.35	62	27601	5.681	ug/l	94
5) Bromomethane	2.77	94	20430	6.444	ug/l	88
6) Chloroethane	2.93	64	17671	5.885	ug/l	97
7) Trichlorofluoromethane	3.27	101	40140	5.568	ug/l	96
8) Diethyl Ether	3.70	74	12182	5.611	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.08	101	26707	5.712	ug/l	97
10) Methyl Iodide	4.29	142	24873	5.062	ug/l	96
11) Tert butyl alcohol	5.25	59	5499	23.038	ug/l #	73
12) 1,1-Dichloroethene	4.06	96	24313	5.447	ug/l	97
13) Acrolein	3.93	56	9749	23.300	ug/l	92
14) Allyl chloride	4.71	41	34697	5.076	ug/l	99
15) Acrylonitrile	5.44	53	22743	24.223	ug/l	99
16) Acetone	4.17	43	23420	28.011	ug/l	93
17) Carbon Disulfide	4.40	76	80542	5.439	ug/l	100
18) Methyl Acetate	4.73	43	11623	5.463	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	41532	4.801	ug/l	97
20) Methylene Chloride	4.96	84	46899	8.998	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	27288	5.484	ug/l	97
22) Diisopropyl ether	6.37	45	59333	4.630	ug/l #	88
23) Vinyl Acetate	6.31	43	149389	21.030	ug/l	97
24) 1,1-Dichloroethane	6.27	63	43214	5.278	ug/l	99
25) 2-Butanone	7.22	43	26859	23.543	ug/l	99
26) 2,2-Dichloropropane	7.21	77	39840	5.536	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	26907	5.281	ug/l	100
28) Bromochloromethane	7.55	49	17301	5.225	ug/l	99
29) Tetrahydrofuran	7.57	42	15752	21.626	ug/l	96
30) Chloroform	7.71	83	46043	5.602	ug/l	97
31) Cyclohexane	7.98	56	45641	5.597	ug/l #	78
32) 1,1,1-Trichloroethane	7.91	97	42324	5.581	ug/l	99
36) 1,1-Dichloropropene	8.11	75	35857	5.099	ug/l	99
37) Ethyl Acetate	7.30	43	12039	4.402	ug/l #	90
38) Carbon Tetrachloride	8.10	117	39775	5.436	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	37780	4.468	ug/l	89
40) Benzene	8.36	78	101191	5.136	ug/l	93
41) Methacrylonitrile	7.54	41	7408	5.001	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	27040	5.222	ug/l	99
43) Isopropyl Acetate	8.46	43	22044	4.378	ug/l	94
44) Trichloroethene	9.11	130	30658	5.496	ug/l	96
45) 1,2-Dichloropropane	9.39	63	23817	4.981	ug/l #	88
46) Dibromomethane	9.48	93	12441	5.009	ug/l	98
47) Bromodichloromethane	9.66	83	34168	5.286	ug/l	96
48) Methyl methacrylate	9.46	41	9829	4.134	ug/l	97
49) 1,4-Dioxane	9.47	88	2107	73.678	ug/l #	79
51) 4-Methyl-2-Pentanone	10.23	43	50675	19.932	ug/l	97
52) Toluene	10.41	92	60340	4.853	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	28261	4.674	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	34873	4.769	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	18093	5.115	ug/l	98
56) Ethyl methacrylate	10.66	69	14929	3.748	ug/l	94
57) 1,3-Dichloropropane	10.95	76	29686	4.965	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	42435	29.153	ug/l	95
59) 2-Hexanone	10.99	43	33609	19.151	ug/l	94
60) Dibromochloromethane	11.14	129	24217	5.330	ug/l	94
61) 1,2-Dibromoethane	11.25	107	17570	5.188	ug/l	96
64) Tetrachloroethene	10.88	164	26004	5.399	ug/l	92
65) Chlorobenzene	11.67	112	68622	5.166	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	25914	5.327	ug/l	99
67) Ethyl Benzene	11.75	91	106554	4.660	ug/l	98
68) m/p-Xylenes	11.86	106	81407	9.224	ug/l	98
69) o-Xylene	12.19	106	33438	4.305	ug/l	96
70) Styrene	12.20	104	58513	4.266	ug/l	97
71) Bromoform	12.37	173	13532	4.941	ug/l #	100
73) Isopropylbenzene	12.48	105	93443	4.299	ug/l	99
74) N-amyl acetate	12.29	43	17525	3.934	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	18295	4.764	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	14423m	5.377	ug/l	
77) Bromobenzene	12.77	156	27306	5.005	ug/l	98
78) n-propylbenzene	12.83	91	114756	4.434	ug/l	99
79) 2-Chlorotoluene	12.91	91	68104	4.659	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	76398	4.272	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	5288	4.251	ug/l	94
82) 4-Chlorotoluene	13.01	91	73153	4.767	ug/l	98
83) tert-Butylbenzene	13.23	119	64446	4.250	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	76146	4.308	ug/l	98
85) sec-Butylbenzene	13.41	105	95571	4.433	ug/l	99
86) p-Isopropyltoluene	13.53	119	82376	4.182	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	54101	5.156	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	56814	5.439	ug/l	94
89) n-Butylbenzene	13.86	91	81636	4.502	ug/l	97
90) Hexachloroethane	14.12	117	21302	5.248	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	46166	5.170	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2668	4.546	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	30482	5.028	ug/l	97
94) Hexachlorobutadiene	15.28	225	21243	5.366	ug/l	99
95) Naphthalene	15.41	128	38356	3.969	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	25629	4.893	ug/l	98

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

