

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064581.D
 Acq On : 24 Dec 2019 10:23
 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
 12/26/2019 11:13:40 AM

Quant Time: Dec 24 13:05:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 12:06:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	410885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	602680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	528900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	20769	5.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.14%	
35) Dibromofluoromethane	7.93	113	20089	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
50) Toluene-d8	10.34	98	75282	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
62) 4-Bromofluorobenzene	12.64	95	23781	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	17251	4.702	ug/l 98
3) Chloromethane	2.21	50	25231	5.380	ug/l 100
4) Vinyl Chloride	2.35	62	30825	5.690	ug/l 91
5) Bromomethane	2.77	94	23722	5.911	ug/l 96
6) Chloroethane	2.93	64	19342	5.298	ug/l 90
7) Trichlorofluoromethane	3.27	101	51163	5.647	ug/l 100
8) Diethyl Ether	3.70	74	10359	5.550	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	20554	5.303	ug/l 97
10) Methyl Iodide	4.30	142	17392	4.274	ug/l 98
11) Tert butyl alcohol	5.24	59	4955m	21.209	ug/l
12) 1,1-Dichloroethene	4.06	96	19688	5.321	ug/l 85
13) Acrolein	3.92	56	7702	23.919	ug/l 94
14) Allyl chloride	4.71	41	29410	5.104	ug/l 97
15) Acrylonitrile	5.43	53	19728	24.238	ug/l 97
16) Acetone	4.17	43	23164	31.135	ug/l # 79
17) Carbon Disulfide	4.40	76	64518	5.518	ug/l 98
18) Methyl Acetate	4.73	43	11446	5.258	ug/l 94
19) Methyl tert-butyl Ether	5.48	73	41720	4.945	ug/l # 87
20) Methylene Chloride	4.96	84	28832	6.697	ug/l 93
21) trans-1,2-Dichloroethene	5.47	96	22370	5.359	ug/l 97
22) Diisopropyl ether	6.37	45	59209	5.191	ug/l # 94
23) Vinyl Acetate	6.31	43	151985	22.701	ug/l 97
24) 1,1-Dichloroethane	6.27	63	35889	5.246	ug/l 94
25) 2-Butanone	7.22	43	25998	24.665	ug/l # 87
26) 2,2-Dichloropropane	7.21	77	35864	5.954	ug/l 96
27) cis-1,2-Dichloroethene	7.21	96	23747	5.214	ug/l 95
28) Bromochloromethane	7.55	49	14848	6.175	ug/l 93
29) Tetrahydrofuran	7.57	42	16023	23.826	ug/l 97
30) Chloroform	7.71	83	38591	5.440	ug/l 96
31) Cyclohexane	7.98	56	41834	6.202	ug/l # 85
32) 1,1,1-Trichloroethane	7.90	97	35874	5.434	ug/l 98
36) 1,1-Dichloropropene	8.11	75	31525	5.490	ug/l 98
37) Ethyl Acetate	7.31	43	11393	4.727	ug/l # 88
38) Carbon Tetrachloride	8.10	117	31181	5.154	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	35409	5.003	ug/l	96
40) Benzene	8.36	78	81555	5.157	ug/l	97
41) Methacrylonitrile	7.53	41	6513	4.777	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	23707	5.136	ug/l	98
43) Isopropyl Acetate	8.46	43	23682	5.013	ug/l	99
44) Trichloroethene	9.11	130	25238	5.298	ug/l	100
45) 1,2-Dichloropropane	9.39	63	20121	5.336	ug/l	96
46) Dibromomethane	9.47	93	10601	4.964	ug/l	88
47) Bromodichloromethane	9.66	83	30413	5.533	ug/l	97
48) Methyl methacrylate	9.46	41	11594	5.289	ug/l	96
49) 1,4-Dioxane	9.47	88	2376	90.645	ug/l #	78
51) 4-Methyl-2-Pentanone	10.23	43	56247	24.044	ug/l	99
52) Toluene	10.40	92	52724	5.091	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	25397	4.859	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	30227	4.867	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	15080	5.169	ug/l	97
56) Ethyl methacrylate	10.66	69	16815	4.539	ug/l	97
57) 1,3-Dichloropropane	10.95	76	25438	5.113	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	37839	25.752	ug/l	98
59) 2-Hexanone	10.98	43	37265	22.957	ug/l	98
60) Dibromochloromethane	11.14	129	20693	5.219	ug/l	99
61) 1,2-Dibromoethane	11.25	107	14280	4.907	ug/l	98
64) Tetrachloroethene	10.87	164	22103	5.483	ug/l	90
65) Chlorobenzene	11.67	112	56091	5.064	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	21291	5.203	ug/l	98
67) Ethyl Benzene	11.74	91	102041	5.168	ug/l	96
68) m/p-Xylenes	11.86	106	77983	10.330	ug/l	97
69) o-Xylene	12.18	106	35217	5.076	ug/l	96
70) Styrene	12.20	104	59289	4.908	ug/l	99
71) Bromoform	12.36	173	12152	4.975	ug/l #	87
73) Isopropylbenzene	12.48	105	93886	5.125	ug/l	100
74) N-amyl acetate	12.29	43	18885	4.596	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	15500	5.177	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	11592m	5.663	ug/l	
77) Bromobenzene	12.77	156	23008	5.109	ug/l	99
78) n-propylbenzene	12.83	91	108337	5.122	ug/l	99
79) 2-Chlorotoluene	12.91	91	62513	5.381	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	75407	5.037	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	5250	5.483	ug/l	90
82) 4-Chlorotoluene	13.01	91	65418	5.310	ug/l	97
83) tert-Butylbenzene	13.23	119	66300	5.091	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	75267	5.001	ug/l	96
85) sec-Butylbenzene	13.41	105	89810	5.032	ug/l	97
86) p-Isopropyltoluene	13.52	119	85245	5.038	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	45442	5.304	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	45572	5.385	ug/l	94
89) n-Butylbenzene	13.85	91	75083	4.903	ug/l	99
90) Hexachloroethane	14.13	117	18098	5.712	ug/l	90
91) 1,2-Dichlorobenzene	13.90	146	38827	5.317	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2593	5.140	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	28489	5.106	ug/l	99
94) Hexachlorobutadiene	15.28	225	17908	5.213	ug/l	96
95) Naphthalene	15.41	128	41809	4.515	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	23559	4.960	ug/l	98

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

