

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064632.D
 Acq On : 27 Dec 2019 08:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/27/2019 2:07:32 PM

Quant Time: Dec 27 08:42:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	331154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	525246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	482022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	180333	61.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.52%	
35) Dibromofluoromethane	7.92	113	177322	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
50) Toluene-d8	10.34	98	663871	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.64	95	211381	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	110958	43.115	ug/l	96
3) Chloromethane	2.21	50	187379	52.060	ug/l	99
4) Vinyl Chloride	2.35	62	210105	47.876	ug/l	100
5) Bromomethane	2.77	94	165616	51.903	ug/l	97
6) Chloroethane	2.92	64	155143	52.760	ug/l	97
7) Trichlorofluoromethane	3.27	101	346850	46.940	ug/l	100
8) Diethyl Ether	3.71	74	81291	55.400	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	139169	45.477	ug/l	98
10) Methyl Iodide	4.29	142	181316	55.160	ug/l	100
11) Tert butyl alcohol	5.26	59	48560	290.169	ug/l	99
12) 1,1-Dichloroethene	4.06	96	144204	49.496	ug/l	95
13) Acrolein	3.93	56	60853	260.916	ug/l	98
14) Allyl chloride	4.71	41	242662	53.421	ug/l	99
15) Acrylonitrile	5.43	53	185103	302.854	ug/l	98
16) Acetone	4.17	43	141365	227.831	ug/l	93
17) Carbon Disulfide	4.40	76	466204	49.488	ug/l	99
18) Methyl Acetate	4.72	43	95229	57.926	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	380076	58.734	ug/l	94
20) Methylene Chloride	4.96	84	184503	63.056	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	176129	53.083	ug/l	97
22) Diisopropyl ether	6.37	45	514878	56.828	ug/l	97
23) Vinyl Acetate	6.31	43	1571801	305.826	ug/l	99
24) 1,1-Dichloroethane	6.27	63	305340	56.137	ug/l	98
25) 2-Butanone	7.22	43	228525	284.710	ug/l	95
26) 2,2-Dichloropropane	7.21	77	225657	44.622	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	197990	55.291	ug/l	99
28) Bromochloromethane	7.55	49	130815	61.870	ug/l	98
29) Tetrahydrofuran	7.57	42	154199	308.921	ug/l	99
30) Chloroform	7.71	83	326283	57.176	ug/l	98
31) Cyclohexane	7.99	56	234552	43.080	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	273855	51.092	ug/l	99
36) 1,1-Dichloropropene	8.11	75	228308	45.160	ug/l	100
37) Ethyl Acetate	7.30	43	109168	54.967	ug/l	97
38) Carbon Tetrachloride	8.10	117	244910	45.433	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	254849	41.621	ug/l	95
40) Benzene	8.36	78	703373	50.966	ug/l	98
41) Methacrylonitrile	7.53	41	61303	53.200	ug/l	94
42) 1,2-Dichloroethane	8.43	62	211762	53.098	ug/l	100
43) Isopropyl Acetate	8.46	43	212029	53.637	ug/l	98
44) Trichloroethene	9.11	130	199355	49.171	ug/l	93
45) 1,2-Dichloropropane	9.39	63	170436	51.723	ug/l	100
46) Dibromomethane	9.48	93	99059	53.920	ug/l	97
47) Bromodichloromethane	9.66	83	256719	52.514	ug/l	95
48) Methyl methacrylate	9.46	41	101746	54.663	ug/l	92
49) 1,4-Dioxane	9.47	88	23635	1115.718	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	551474	282.240	ug/l	99
52) Toluene	10.40	92	455607	50.319	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	240463	52.759	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	272692	50.741	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	131674	53.183	ug/l	98
56) Ethyl methacrylate	10.66	69	169465	54.806	ug/l	97
57) 1,3-Dichloropropane	10.94	76	228619	53.629	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	309243	262.504	ug/l	98
59) 2-Hexanone	10.99	43	366778	276.571	ug/l	99
60) Dibromochloromethane	11.14	129	182006	53.159	ug/l	98
61) 1,2-Dibromoethane	11.25	107	130993	53.642	ug/l	99
64) Tetrachloroethene	10.88	164	165061	44.635	ug/l	98
65) Chlorobenzene	11.67	112	489367	48.916	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	191742	50.840	ug/l	99
67) Ethyl Benzene	11.75	91	859626	47.340	ug/l	97
68) m/p-Xylenes	11.86	106	667261	95.204	ug/l	97
69) o-Xylene	12.18	106	311399	49.189	ug/l	100
70) Styrene	12.20	104	561350	50.517	ug/l	98
71) Bromoform	12.37	173	111910	52.032	ug/l	99
73) Isopropylbenzene	12.48	105	812727	48.278	ug/l	100
74) N-amyl acetate	12.29	43	198364	55.123	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	142988	54.069	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	83268m	44.763	ug/l	
77) Bromobenzene	12.77	156	212947	51.480	ug/l	99
78) n-propylbenzene	12.83	91	940440	47.885	ug/l	99
79) 2-Chlorotoluene	12.91	91	532701	49.376	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	678220	49.044	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	42543	47.832	ug/l	97
82) 4-Chlorotoluene	13.01	91	564827	49.195	ug/l	99
83) tert-Butylbenzene	13.23	119	584912	48.715	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	687234	49.899	ug/l	98
85) sec-Butylbenzene	13.41	105	774395	47.045	ug/l	100
86) p-Isopropyltoluene	13.52	119	740866	47.071	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	386615	49.029	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	384472	49.632	ug/l	99
89) n-Butylbenzene	13.85	91	629818	44.435	ug/l	99
90) Hexachloroethane	14.12	117	146119	48.600	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	340636	50.660	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	22960	53.556	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	235808	47.629	ug/l	99
94) Hexachlorobutadiene	15.28	225	130474	41.879	ug/l	97
95) Naphthalene	15.41	128	420635	53.704	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	211045	49.932	ug/l	99

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

