

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082620\
 Data File : VD066411.D
 Acq On : 26 Aug 2020 10:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/27/2020 3:08:29 PM

Quant Time: Aug 27 07:39:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	201338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	272317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	248740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	101676	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
35) Dibromofluoromethane	7.91	113	82415	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.34	98	304559	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.63	95	111444	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80375	46.957	ug/l	98
3) Chloromethane	2.20	50	52364	43.159	ug/l	97
4) Vinyl Chloride	2.35	62	60792	46.667	ug/l	96
5) Bromomethane	2.76	94	55172	56.623	ug/l	99
6) Chloroethane	2.92	64	40725	48.823	ug/l	95
7) Trichlorofluoromethane	3.27	101	183962	51.933	ug/l	93
8) Diethyl Ether	3.71	74	36806	46.374	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	83714	47.887	ug/l	99
10) Methyl Iodide	4.30	142	68792	34.502	ug/l	96
11) Tert butyl alcohol	5.21	59	33807	309.171	ug/l #	71
12) 1,1-Dichloroethene	4.07	96	79102	48.204	ug/l	94
13) Acrolein	3.92	56	14436	164.693	ug/l	91
14) Allyl chloride	4.71	41	98987	45.194	ug/l	90
15) Acrylonitrile	5.42	53	76737	240.976	ug/l	97
16) Acetone	4.16	43	103280	290.223	ug/l	94
17) Carbon Disulfide	4.41	76	229978	46.244	ug/l	99
18) Methyl Acetate	4.71	43	30760	46.055	ug/l	92
19) Methyl tert-butyl Ether	5.47	73	201357	50.960	ug/l #	92
20) Methylene Chloride	4.96	84	89286	46.510	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	90094	47.165	ug/l	95
22) Diisopropyl ether	6.36	45	198254	46.751	ug/l #	96
23) Vinyl Acetate	6.30	43	646672	246.330	ug/l	96
24) 1,1-Dichloroethane	6.26	63	141364	47.172	ug/l	97
25) 2-Butanone	7.21	43	102755	254.348	ug/l	98
26) 2,2-Dichloropropane	7.20	77	170253	53.006	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	99536	48.631	ug/l	98
28) Bromochloromethane	7.54	49	49712	48.158	ug/l	92
29) Tetrahydrofuran	7.56	42	53388	232.664	ug/l	94
30) Chloroform	7.71	83	176071	50.781	ug/l	97
31) Cyclohexane	7.98	56	115019	41.966	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	186510	52.559	ug/l	100
36) 1,1-Dichloropropene	8.11	75	127255	51.215	ug/l	99
37) Ethyl Acetate	7.29	43	42767	50.606	ug/l #	95
38) Carbon Tetrachloride	8.09	117	184101	56.870	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	150739	51.500	ug/l	97
40) Benzene	8.34	78	338626	51.805	ug/l	96
41) Methacrylonitrile	7.53	41	26773m	51.373	ug/l	
42) 1,2-Dichloroethane	8.42	62	130957	56.884	ug/l	99
43) Isopropyl Acetate	8.44	43	86109	50.765	ug/l	99
44) Trichloroethene	9.11	130	111982	52.723	ug/l	99
45) 1,2-Dichloropropane	9.38	63	72552	48.960	ug/l	95
46) Dibromomethane	9.47	93	49182	53.306	ug/l	98
47) Bromodichloromethane	9.66	83	141005	55.573	ug/l	98
48) Methyl methacrylate	9.46	41	43104	49.279	ug/l	98
49) 1,4-Dioxane	9.45	88	10739	1002.399	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	208792	254.450	ug/l	99
52) Toluene	10.40	92	231899	52.365	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	128430	53.344	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	143488	53.096	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	63405	50.763	ug/l	97
56) Ethyl methacrylate	10.66	69	75129	51.959	ug/l #	88
57) 1,3-Dichloropropane	10.94	76	107253	51.912	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	154374	257.063	ug/l	95
59) 2-Hexanone	10.98	43	159669	275.864	ug/l	100
60) Dibromochloromethane	11.14	129	97152	51.601	ug/l	95
61) 1,2-Dibromoethane	11.24	107	63395	51.575	ug/l	100
64) Tetrachloroethene	10.87	164	97623	51.737	ug/l	94
65) Chlorobenzene	11.67	112	263868	53.321	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	106068	52.447	ug/l	99
67) Ethyl Benzene	11.74	91	464673	53.343	ug/l	96
68) m/p-Xylenes	11.85	106	355559	107.089	ug/l	97
69) o-Xylene	12.18	106	160555	51.980	ug/l	99
70) Styrene	12.19	104	283764	53.504	ug/l	97
71) Bromoform	12.36	173	62024	54.057	ug/l #	100
73) Isopropylbenzene	12.48	105	469278	53.972	ug/l	99
74) N-amyl acetate	12.29	43	78056	49.706	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	61710	49.683	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	53689m	58.799	ug/l	
77) Bromobenzene	12.76	156	117930	53.438	ug/l	100
78) n-propylbenzene	12.82	91	517317	51.891	ug/l	99
79) 2-Chlorotoluene	12.91	91	300652	52.802	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	404961	53.943	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21578	50.162	ug/l	89
82) 4-Chlorotoluene	13.01	91	317438	52.621	ug/l	98
83) tert-Butylbenzene	13.23	119	349734	53.635	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	402031	54.523	ug/l	99
85) sec-Butylbenzene	13.40	105	454766	53.231	ug/l	99
86) p-Isopropyltoluene	13.52	119	451199	54.772	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	219481	53.279	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	218555	52.840	ug/l	100
89) n-Butylbenzene	13.84	91	382004	52.549	ug/l	99
90) Hexachloroethane	14.11	117	81196	49.896	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	191606	54.030	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13543	51.987	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	149417	53.970	ug/l	98
94) Hexachlorobutadiene	15.27	225	96069	55.839	ug/l	98
95) Naphthalene	15.41	128	238096	54.755	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	128001	53.971	ug/l	97

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

