

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
 Data File : VY002989.D
 Acq On : 22 Jun 2020 21:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 8:13:37 PM

Quant Time: Jun 23 09:39:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 20 06:39:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	369644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	533220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	501866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	269488	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	155799	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
35) Dibromofluoromethane	7.72	113	157280	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.18	98	596512	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.48	95	216380	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	102290	43.407	ug/l	96
3) Chloromethane	2.12	50	100360	37.509	ug/l	97
4) Vinyl Chloride	2.26	62	113985	39.677	ug/l	97
5) Bromomethane	2.65	94	92421	43.598	ug/l	99
6) Chloroethane	2.80	64	72474	39.004	ug/l	96
7) Trichlorofluoromethane	3.13	101	220831	42.807	ug/l	99
8) Diethyl Ether	3.54	74	78574	42.213	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.90	101	127654	41.087	ug/l	95
10) Methyl Iodide	4.10	142	204758	47.602	ug/l	99
11) Tert butyl alcohol	4.97	59	80033	241.741	ug/l	99
12) 1,1-Dichloroethene	3.88	96	129326	41.976	ug/l	96
13) Acrolein	3.74	56	77839	253.774	ug/l	99
14) Allyl chloride	4.49	41	177325	39.904	ug/l	96
15) Acrylonitrile	5.18	53	191561	214.582	ug/l	100
16) Acetone	3.96	43	144123	190.586	ug/l	100
17) Carbon Disulfide	4.20	76	377246	41.416	ug/l	99
18) Methyl Acetate	4.49	43	78860	40.501	ug/l	94
19) Methyl tert-butyl Ether	5.23	73	387671	46.199	ug/l	99
20) Methylene Chloride	4.72	84	157907	41.994	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	149154	43.603	ug/l	95
22) Diisopropyl ether	6.13	45	379467	41.826	ug/l	98
23) Vinyl Acetate	6.07	43	1319116	224.776	ug/l	98
24) 1,1-Dichloroethane	6.03	63	228053	42.431	ug/l	100
25) 2-Butanone	6.99	43	241206	212.861	ug/l	98
26) 2,2-Dichloropropane	6.99	77	212696	42.371	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	171408	44.834	ug/l	97
28) Bromochloromethane	7.34	49	100431	44.692	ug/l	89
29) Tetrahydrofuran	7.35	42	156600	213.945	ug/l	94
30) Chloroform	7.52	83	253472	45.028	ug/l	99
31) Cyclohexane	7.79	56	207670	39.611	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	237384	45.765	ug/l	99
36) 1,1-Dichloropropene	7.93	75	189130	43.674	ug/l	99
37) Ethyl Acetate	7.08	43	106217	44.172	ug/l	99
38) Carbon Tetrachloride	7.91	117	225243	47.197	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	256822	44.990	ug/l	98
40) Benzene	8.17	78	573220	44.461	ug/l	98
41) Methacrylonitrile	7.33	41	55338m	45.967	ug/l	
42) 1,2-Dichloroethane	8.24	62	171559	47.944	ug/l	100
43) Isopropyl Acetate	8.28	43	208347	46.529	ug/l	99
44) Trichloroethene	8.94	130	189727	47.508	ug/l	94
45) 1,2-Dichloropropane	9.22	63	132771	42.823	ug/l	98
46) Dibromomethane	9.31	93	86527	46.740	ug/l	93
47) Bromodichloromethane	9.50	83	204909	47.410	ug/l	98
48) Methyl methacrylate	9.30	41	93127	46.350	ug/l	97
49) 1,4-Dioxane	9.30	88	25743	948.798	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	534233	225.144	ug/l	99
52) Toluene	10.24	92	409867	49.121	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	220055	46.847	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	242772	45.659	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	129824	47.025	ug/l	97
56) Ethyl methacrylate	10.51	69	177569	47.715	ug/l	97
57) 1,3-Dichloropropane	10.79	76	210396	45.702	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	446196	240.726	ug/l	94
59) 2-Hexanone	10.83	43	381643	228.770	ug/l	99
60) Dibromochloromethane	10.99	129	171784	48.792	ug/l	99
61) 1,2-Dibromoethane	11.09	107	131422	47.984	ug/l	99
64) Tetrachloroethene	10.72	164	195176	46.670	ug/l	97
65) Chlorobenzene	11.52	112	442661	46.597	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	172329	47.991	ug/l	99
67) Ethyl Benzene	11.59	91	764488	46.654	ug/l	99
68) m/p-Xylenes	11.70	106	633755	99.529	ug/l	98
69) o-Xylene	12.03	106	301556	50.241	ug/l	99
70) Styrene	12.04	104	489130	47.165	ug/l	100
71) Bromoform	12.20	173	122332	50.898	ug/l #	99
73) Isopropylbenzene	12.33	105	767570	46.474	ug/l	99
74) N-amyl acetate	12.14	43	189653	44.588	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	140536	45.894	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	105719m	45.045	ug/l	
77) Bromobenzene	12.61	156	206858	47.837	ug/l	96
78) n-propylbenzene	12.67	91	874036	45.614	ug/l	97
79) 2-Chlorotoluene	12.75	91	494096	46.038	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	693103	50.339	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	56590	46.035	ug/l	100
82) 4-Chlorotoluene	12.85	91	502931	44.559	ug/l	98
83) tert-Butylbenzene	13.07	119	577802	46.850	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	828249	59.781	ug/l	98
85) sec-Butylbenzene	13.25	105	749118	44.652	ug/l	97
86) p-Isopropyltoluene	13.37	119	714278	45.390	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	379324	46.537	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	380913	46.667	ug/l	99
89) n-Butylbenzene	13.69	91	613845	43.150	ug/l	96
90) Hexachloroethane	13.96	117	135667	46.285	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	351331	47.359	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	27824	48.636	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	262139	47.090	ug/l	100
94) Hexachlorobutadiene	15.11	225	152216	47.440	ug/l	99
95) Naphthalene	15.23	128	594011	53.539	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	238987	48.118	ug/l	99

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

