

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003560.D
 Acq On : 20 Nov 2020 11:19
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/23/2020 1:39:26 PM

Quant Time: Nov 21 00:52:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 00:32:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	156456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	231206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	209610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	102355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	79580	48.99	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.98%
35) Dibromofluoromethane	7.72	113	76582	50.39	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.78%
50) Toluene-d8	10.18	98	296903	50.24	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.48%
62) 4-Bromofluorobenzene	12.48	95	95648	51.00	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	22379	48.534	ug/l 100
3) Chloromethane	2.12	50	51339	47.302	ug/l 100
4) Vinyl Chloride	2.26	62	70522	50.226	ug/l 100
5) Bromomethane	2.66	94	56850	48.404	ug/l 100
6) Chloroethane	2.80	64	48901	49.662	ug/l 100
7) Trichlorofluoromethane	3.13	101	63757	51.475	ug/l 100
8) Diethyl Ether	3.53	74	44870	49.944	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	71294	50.146	ug/l 100
10) Methyl Iodide	4.10	142	119384	48.665	ug/l 100
11) Tert butyl alcohol	5.01	59	32871	212.393	ug/l # 100
12) 1,1-Dichloroethene	3.88	96	77262	50.155	ug/l 100
13) Acrolein	3.74	56	38732	249.882	ug/l 100
14) Allyl chloride	4.49	41	129497	50.146	ug/l 100
15) Acrylonitrile	5.18	53	109539	259.156	ug/l 100
16) Acetone	3.97	43	163122	300.732	ug/l 100
17) Carbon Disulfide	4.20	76	218944	49.373	ug/l 100
18) Methyl Acetate	4.49	43	58128	49.261	ug/l 100
19) Methyl tert-butyl Ether	5.23	73	116987	51.164	ug/l 100
20) Methylene Chloride	4.72	84	89115	43.261	ug/l 100
21) trans-1,2-Dichloroethene	5.23	96	85600	49.698	ug/l 100
22) Diisopropyl ether	6.13	45	228242	51.563	ug/l 100
23) Vinyl Acetate	6.07	43	913411	265.477	ug/l 100
24) 1,1-Dichloroethane	6.03	63	146875	49.851	ug/l 100
25) 2-Butanone	7.00	43	198704	282.317	ug/l 100
26) 2,2-Dichloropropane	6.99	77	92656	48.092	ug/l 100
27) cis-1,2-Dichloroethene	6.99	96	93386	50.011	ug/l 100
28) Bromochloromethane	7.35	49	74213	51.457	ug/l 100
29) Tetrahydrofuran	7.36	42	96340	261.282	ug/l 100
30) Chloroform	7.52	83	148700	50.577	ug/l 100
31) Cyclohexane	7.79	56	113133	48.171	ug/l 100
32) 1,1,1-Trichloroethane	7.71	97	115081	50.653	ug/l 100
36) 1,1-Dichloropropene	7.93	75	115111	50.571	ug/l 100
37) Ethyl Acetate	7.08	43	73657	53.699	ug/l 100
38) Carbon Tetrachloride	7.91	117	109220	51.798	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	121198	52.394	ug/l	100
40) Benzene	8.16	78	342188	50.713	ug/l	100
41) Methacrylonitrile	7.32	41	40352	59.829	ug/l	100
42) 1,2-Dichloroethane	8.24	62	96476	50.260	ug/l	100
43) Isopropyl Acetate	8.28	43	131176	52.082	ug/l	100
44) Trichloroethene	8.94	130	92261	50.180	ug/l	100
45) 1,2-Dichloropropane	9.22	63	85427	51.074	ug/l	100
46) Dibromomethane	9.31	93	48626	51.049	ug/l	100
47) Bromodichloromethane	9.50	83	114578	50.642	ug/l	100
48) Methyl methacrylate	9.30	41	61874	51.321	ug/l	100
49) 1,4-Dioxane	9.32	88	12548	1149.726	ug/l #	100
51) 4-Methyl-2-Pentanone	10.07	43	329598	273.047	ug/l	100
52) Toluene	10.24	92	213490	51.675	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	123315	52.076	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	139946	51.925	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	69334	51.319	ug/l	100
56) Ethyl methacrylate	10.51	69	89188	54.322	ug/l	100
57) 1,3-Dichloropropane	10.79	76	118121	51.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	211785	251.356	ug/l	100
59) 2-Hexanone	10.83	43	291295	292.732	ug/l	100
60) Dibromochloromethane	10.99	129	83146	50.899	ug/l	100
61) 1,2-Dibromoethane	11.09	107	66654	51.195	ug/l	100
64) Tetrachloroethene	10.72	164	79742	50.931	ug/l	100
65) Chlorobenzene	11.52	112	227223	50.105	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	66289	50.941	ug/l	100
67) Ethyl Benzene	11.59	91	380961	51.266	ug/l	100
68) m/p-Xylenes	11.70	106	294323	103.434	ug/l	100
69) o-Xylene	12.03	106	116976	51.393	ug/l	100
70) Styrene	12.04	104	239913	52.297	ug/l	100
71) Bromoform	12.20	173	54071	51.454	ug/l	100
73) Isopropylbenzene	12.33	105	259210	50.841	ug/l	100
74) N-amyl acetate	12.14	43	107758	53.369	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	72074	50.802	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	48634m	46.603	ug/l	
77) Bromobenzene	12.61	156	96302	51.339	ug/l	100
78) n-propylbenzene	12.67	91	367344	51.286	ug/l	100
79) 2-Chlorotoluene	12.75	91	209911	50.771	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	193807	50.576	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	33078	52.991	ug/l	100
82) 4-Chlorotoluene	12.85	91	260896	51.504	ug/l	100
83) tert-Butylbenzene	13.07	119	198755	51.241	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	212231	52.016	ug/l	100
85) sec-Butylbenzene	13.25	105	223150	50.826	ug/l	100
86) p-Isopropyltoluene	13.37	119	202237	51.337	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	174661	51.152	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	180147	51.483	ug/l	100
89) n-Butylbenzene	13.69	91	223616	53.049	ug/l	100
90) Hexachloroethane	13.95	117	53164	51.038	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	137617	50.493	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9661	52.282	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	79210	51.821	ug/l	100
94) Hexachlorobutadiene	15.11	225	43036	49.532	ug/l	100
95) Naphthalene	15.23	128	141306	54.175	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	57169	50.879	ug/l	100

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

