

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021020\
 Data File : VY001578.D
 Acq On : 10 Feb 2020 11:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 6:10:58 PM

Quant Time: Feb 11 06:01:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	208768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	360933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	329920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	155825	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	109695	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
35) Dibromofluoromethane	7.74	113	103391	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	10.19	98	434970	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
62) 4-Bromofluorobenzene	12.49	95	159982	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	89051	43.576	ug/l	94
3) Chloromethane	2.13	50	115571	54.109	ug/l	99
4) Vinyl Chloride	2.26	62	119571	53.915	ug/l	99
5) Bromomethane	2.66	94	76913	55.144	ug/l	96
6) Chloroethane	2.81	64	75205	56.257	ug/l	98
7) Trichlorofluoromethane	3.15	101	158017	43.044	ug/l	99
8) Diethyl Ether	3.55	74	60513	48.848	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.92	101	102333	46.330	ug/l	99
10) Methyl Iodide	4.11	142	128698	45.728	ug/l	99
11) Tert butyl alcohol	4.98	59	55095	230.438	ug/l #	86
12) 1,1-Dichloroethene	3.90	96	99888	45.509	ug/l	97
13) Acrolein	3.75	56	58656	294.703	ug/l	99
14) Allyl chloride	4.50	41	180326	53.705	ug/l	95
15) Acrylonitrile	5.19	53	159756	281.306	ug/l	98
16) Acetone	3.97	43	174601	287.161	ug/l	98
17) Carbon Disulfide	4.22	76	332035	47.519	ug/l	99
18) Methyl Acetate	4.50	43	70830	54.589	ug/l	95
19) Methyl tert-butyl Ether	5.25	73	278679	47.743	ug/l	98
20) Methylene Chloride	4.74	84	116116	48.645	ug/l	90
21) trans-1,2-Dichloroethene	5.25	96	114545	46.944	ug/l	96
22) Diisopropyl ether	6.14	45	371106	55.786	ug/l	97
23) Vinyl Acetate	6.09	43	1216698	287.307	ug/l	95
24) 1,1-Dichloroethane	6.05	63	198915	49.712	ug/l	99
25) 2-Butanone	7.01	43	237883	301.569	ug/l	94
26) 2,2-Dichloropropane	7.00	77	176872	46.186	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	126615	47.509	ug/l	96
28) Bromochloromethane	7.36	49	91118	66.845	ug/l	89
29) Tetrahydrofuran	7.37	42	141441	299.161	ug/l	93
30) Chloroform	7.53	83	190201	46.927	ug/l	97
31) Cyclohexane	7.80	56	204466	49.954	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	168012	45.721	ug/l	96
36) 1,1-Dichloropropene	7.94	75	160956	48.747	ug/l	99
37) Ethyl Acetate	7.10	43	92774	58.041	ug/l	95
38) Carbon Tetrachloride	7.92	117	147031	46.025	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	214937	49.438	ug/l	99
40) Benzene	8.18	78	470161	49.922	ug/l	98
41) Methacrylonitrile	7.34	41	43184m	58.293	ug/l	
42) 1,2-Dichloroethane	8.25	62	126658	48.272	ug/l	100
43) Isopropyl Acetate	8.29	43	180547	57.049	ug/l	95
44) Trichloroethene	8.96	130	120497	47.466	ug/l	99
45) 1,2-Dichloropropane	9.23	63	118195	51.972	ug/l	99
46) Dibromomethane	9.32	93	61820	48.409	ug/l	100
47) Bromodichloromethane	9.51	83	149438	48.028	ug/l	99
48) Methyl methacrylate	9.30	41	81443	56.700	ug/l	93
49) 1,4-Dioxane	9.31	88	17132	1015.830	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	464722	298.174	ug/l	96
52) Toluene	10.25	92	299078	50.049	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	168919	49.843	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	191092	49.115	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	91890	50.153	ug/l	98
56) Ethyl methacrylate	10.52	69	141073	54.134	ug/l	96
57) 1,3-Dichloropropane	10.80	76	163122	50.506	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	277773	289.743	ug/l	95
59) 2-Hexanone	10.84	43	347880	306.986	ug/l	98
60) Dibromochloromethane	10.99	129	103736	48.032	ug/l	100
61) 1,2-Dibromoethane	11.10	107	87949	48.735	ug/l	99
64) Tetrachloroethene	10.73	164	98377	45.468	ug/l	98
65) Chlorobenzene	11.52	112	305645	47.182	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	104862	46.251	ug/l	99
67) Ethyl Benzene	11.60	91	575108	48.016	ug/l	99
68) m/p-Xylenes	11.71	106	431976	96.071	ug/l	98
69) o-Xylene	12.03	106	203569	48.017	ug/l	99
70) Styrene	12.05	104	359143	48.987	ug/l	98
71) Bromoform	12.21	173	61346	48.593	ug/l #	99
73) Isopropylbenzene	12.34	105	556064	46.789	ug/l	100
74) N-amyl acetate	12.15	43	173243	56.098	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	117928	52.228	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	83365m	49.748	ug/l	
77) Bromobenzene	12.61	156	118676	46.143	ug/l	94
78) n-propylbenzene	12.67	91	682872	47.996	ug/l	100
79) 2-Chlorotoluene	12.77	91	378269	46.642	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	466546	46.614	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	44464	51.342	ug/l	97
82) 4-Chlorotoluene	12.86	91	400793	47.135	ug/l	100
83) tert-Butylbenzene	13.08	119	392934	46.445	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	458413	46.276	ug/l	100
85) sec-Butylbenzene	13.26	105	573437	48.209	ug/l	100
86) p-Isopropyltoluene	13.38	119	499882	47.690	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	231453	46.958	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	230944	46.769	ug/l	100
89) n-Butylbenzene	13.70	91	507552	49.076	ug/l	100
90) Hexachloroethane	13.97	117	94233	46.839	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	213300	47.753	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	19551	46.903	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	138466	46.001	ug/l	98
94) Hexachlorobutadiene	15.12	225	67629	44.268	ug/l	99
95) Naphthalene	15.24	128	323097	45.672	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	123799	46.592	ug/l	97

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

