

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032020\
 Data File : VY002031.D
 Acq On : 20 Mar 2020 10:33
 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
 3/23/2020 2:21:20 PM

Quant Time: Mar 20 16:17:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	167658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	305349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	274432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	125755	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	86837	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	7.74	113	83133	49.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.19	98	338632	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.49	95	119251	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	63691	41.155	ug/l	98
3) Chloromethane	2.13	50	88017	42.184	ug/l	100
4) Vinyl Chloride	2.26	62	93253	43.939	ug/l	100
5) Bromomethane	2.66	94	58915	47.200	ug/l	96
6) Chloroethane	2.81	64	60083	45.067	ug/l	96
7) Trichlorofluoromethane	3.15	101	131237	45.595	ug/l	97
8) Diethyl Ether	3.55	74	51428	45.334	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	88106	47.591	ug/l	99
10) Methyl Iodide	4.11	142	102115	47.697	ug/l	99
11) Tert butyl alcohol	4.98	59	45558	244.055	ug/l #	84
12) 1,1-Dichloroethene	3.90	96	86197	46.242	ug/l	95
13) Acrolein	3.75	56	57525	228.711	ug/l	99
14) Allyl chloride	4.50	41	157575	47.683	ug/l	99
15) Acrylonitrile	5.19	53	136008	224.361	ug/l	99
16) Acetone	3.97	43	142722	273.773	ug/l	97
17) Carbon Disulfide	4.22	76	257836	41.147	ug/l	98
18) Methyl Acetate	4.50	43	58418	43.612	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	236692	46.856	ug/l	97
20) Methylene Chloride	4.74	84	99578	44.569	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	96863	45.782	ug/l	91
22) Diisopropyl ether	6.14	45	323259	47.722	ug/l	96
23) Vinyl Acetate	6.08	43	1039308	234.040	ug/l	99
24) 1,1-Dichloroethane	6.05	63	175438	47.826	ug/l	100
25) 2-Butanone	7.01	43	192841	243.247	ug/l	98
26) 2,2-Dichloropropane	7.00	77	150923	50.127	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	110322	47.936	ug/l	98
28) Bromochloromethane	7.36	49	85136	51.490	ug/l	99
29) Tetrahydrofuran	7.36	42	113488	215.570	ug/l	99
30) Chloroform	7.53	83	166472	48.303	ug/l	97
31) Cyclohexane	7.80	56	174191	44.288	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	141014	48.545	ug/l	99
36) 1,1-Dichloropropene	7.94	75	137036	46.636	ug/l	100
37) Ethyl Acetate	7.10	43	77153	45.177	ug/l	99
38) Carbon Tetrachloride	7.92	117	121881	48.556	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	177978	45.667	ug/l	98
40) Benzene	8.18	78	407277	46.763	ug/l	100
41) Methacrylonitrile	7.34	41	37238m	48.451	ug/l	
42) 1,2-Dichloroethane	8.25	62	105249	46.897	ug/l	100
43) Isopropyl Acetate	8.29	43	147630	45.659	ug/l	98
44) Trichloroethene	8.96	130	98015	46.209	ug/l	99
45) 1,2-Dichloropropane	9.23	63	104755	47.847	ug/l	99
46) Dibromomethane	9.32	93	52398	46.442	ug/l	99
47) Bromodichloromethane	9.51	83	127252	48.486	ug/l	98
48) Methyl methacrylate	9.30	41	65359	45.555	ug/l	96
49) 1,4-Dioxane	9.32	88	13752	889.538	ug/l	89
51) 4-Methyl-2-Pentanone	10.08	43	385137	231.258	ug/l	100
52) Toluene	10.25	92	250563	47.358	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	138934	48.589	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	163310	47.977	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	77346	46.843	ug/l	97
56) Ethyl methacrylate	10.52	69	114212	47.191	ug/l	99
57) 1,3-Dichloropropane	10.80	76	137185	46.610	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	192503	224.215	ug/l	100
59) 2-Hexanone	10.84	43	281184	236.551	ug/l	100
60) Dibromochloromethane	10.99	129	84668	48.663	ug/l	100
61) 1,2-Dibromoethane	11.10	107	71260	45.561	ug/l	98
64) Tetrachloroethene	10.73	164	80114	46.550	ug/l	97
65) Chlorobenzene	11.52	112	257006	47.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	86291	48.122	ug/l	99
67) Ethyl Benzene	11.60	91	480239	47.091	ug/l	99
68) m/p-Xylenes	11.71	106	360699	95.668	ug/l	99
69) o-Xylene	12.03	106	167187	47.046	ug/l	100
70) Styrene	12.05	104	292670	48.086	ug/l	99
71) Bromoform	12.22	173	46695	48.017	ug/l #	100
73) Isopropylbenzene	12.34	105	454934	47.390	ug/l	99
74) N-amyl acetate	12.15	43	134103	45.452	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	94736	45.762	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	67861m	45.478	ug/l	
77) Bromobenzene	12.61	156	96829	47.607	ug/l	97
78) n-propylbenzene	12.68	91	567876	47.949	ug/l	100
79) 2-Chlorotoluene	12.76	91	310597	47.468	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	377727	47.795	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	34138	46.213	ug/l	98
82) 4-Chlorotoluene	12.86	91	327080	48.010	ug/l	99
83) tert-Butylbenzene	13.08	119	322351	49.109	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	373999	47.686	ug/l	99
85) sec-Butylbenzene	13.26	105	468554	48.428	ug/l	100
86) p-Isopropyltoluene	13.38	119	400474	47.983	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	185704	46.593	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	188306	46.572	ug/l	100
89) n-Butylbenzene	13.70	91	417207	48.181	ug/l	99
90) Hexachloroethane	13.97	117	76609	48.655	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	169738	46.878	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14476	44.812	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	108809	46.337	ug/l	99
94) Hexachlorobutadiene	15.12	225	53583	46.804	ug/l	99
95) Naphthalene	15.25	128	247362	44.411	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	96530	46.664	ug/l	99

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

