

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003162.D
 Acq On : 10 Jul 2020 13:53
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY071020

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:47:45 AM

Quant Time: Jul 11 06:13:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	510745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	734728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	667396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	351990	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	209507	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
35) Dibromofluoromethane	7.72	113	207121	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	10.18	98	754428	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.48	95	273582	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	167180	45.669	ug/l	96
3) Chloromethane	2.12	50	243392	47.934	ug/l	100
4) Vinyl Chloride	2.26	62	253948	48.745	ug/l	99
5) Bromomethane	2.65	94	196251	50.716	ug/l	100
6) Chloroethane	2.80	64	165388	48.333	ug/l	99
7) Trichlorofluoromethane	3.13	101	361281	48.559	ug/l	99
8) Diethyl Ether	3.54	74	124495	49.936	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	223921	49.833	ug/l	98
10) Methyl Iodide	4.10	142	253065	51.838	ug/l	99
11) Tert butyl alcohol	4.97	59	109068	233.980	ug/l	97
12) 1,1-Dichloroethene	3.88	96	211618	49.792	ug/l	97
13) Acrolein	3.74	56	90717	224.215	ug/l	99
14) Allyl chloride	4.49	41	320210	50.775	ug/l	99
15) Acrylonitrile	5.18	53	304175	253.988	ug/l	99
16) Acetone	3.96	43	264689	274.882	ug/l	96
17) Carbon Disulfide	4.20	76	648278	49.708	ug/l	99
18) Methyl Acetate	4.49	43	134201	50.185	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	605268	50.819	ug/l	96
20) Methylene Chloride	4.72	84	243168	50.215	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	241118	50.159	ug/l	95
22) Diisopropyl ether	6.13	45	727589	51.984	ug/l	97
23) Vinyl Acetate	6.07	43	2445191	262.111	ug/l	99
24) 1,1-Dichloroethane	6.03	63	406544	50.137	ug/l	100
25) 2-Butanone	7.00	43	409609	259.078	ug/l	97
26) 2,2-Dichloropropane	6.99	77	371215	50.834	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	267515	50.544	ug/l	100
28) Bromochloromethane	7.35	49	162865	46.391	ug/l	99
29) Tetrahydrofuran	7.35	42	271572	255.692	ug/l	99
30) Chloroform	7.52	83	421097	50.422	ug/l	99
31) Cyclohexane	7.79	56	377476	48.141	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	376319	50.053	ug/l	99
36) 1,1-Dichloropropene	7.93	75	335191	50.336	ug/l	99
37) Ethyl Acetate	7.08	43	192709	53.738	ug/l	99
38) Carbon Tetrachloride	7.91	117	343166	49.919	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	421737	50.415	ug/l	96
40) Benzene	8.17	78	923739	50.379	ug/l	98
41) Methacrylonitrile	7.33	41	93856m	43.456	ug/l	
42) 1,2-Dichloroethane	8.24	62	285241	50.531	ug/l	99
43) Isopropyl Acetate	8.28	43	360951	52.000	ug/l	99
44) Trichloroethene	8.94	130	285228	50.745	ug/l	97
45) 1,2-Dichloropropane	9.22	63	241291	50.858	ug/l	99
46) Dibromomethane	9.31	93	142360	51.374	ug/l	98
47) Bromodichloromethane	9.50	83	334952	50.823	ug/l	99
48) Methyl methacrylate	9.30	41	162560	52.385	ug/l	99
49) 1,4-Dioxane	9.31	88	36370	1034.146	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	951987	263.860	ug/l	100
52) Toluene	10.24	92	593092	50.607	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	357621	52.373	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	403208	51.250	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	197913	50.402	ug/l	99
56) Ethyl methacrylate	10.51	69	286659	53.697	ug/l	98
57) 1,3-Dichloropropane	10.79	76	339654	51.015	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	663821	243.818	ug/l	100
59) 2-Hexanone	10.83	43	671557	266.640	ug/l	99
60) Dibromochloromethane	10.99	129	251932	51.011	ug/l	99
61) 1,2-Dibromoethane	11.09	107	196171	50.618	ug/l	99
64) Tetrachloroethene	10.72	164	302604	50.852	ug/l	99
65) Chlorobenzene	11.52	112	654949	50.941	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	255104	51.086	ug/l	100
67) Ethyl Benzene	11.59	91	1182340	51.504	ug/l	99
68) m/p-Xylenes	11.70	106	895456	102.805	ug/l	100
69) o-Xylene	12.03	106	420642	51.693	ug/l	100
70) Styrene	12.05	104	721064	51.800	ug/l	99
71) Bromoform	12.20	173	172202	52.542	ug/l	99
73) Isopropylbenzene	12.33	105	1148487	51.200	ug/l	100
74) N-amyl acetate	12.14	43	343183	54.526	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	224276	51.769	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	167258m	53.682	ug/l	
77) Bromobenzene	12.61	156	292657	51.184	ug/l	99
78) n-propylbenzene	12.67	91	1367144	51.706	ug/l	100
79) 2-Chlorotoluene	12.75	91	756038	51.249	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	956449	51.160	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	85222	53.233	ug/l	99
82) 4-Chlorotoluene	12.85	91	794657	51.609	ug/l	99
83) tert-Butylbenzene	13.08	119	839944	50.918	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	962401	51.163	ug/l	99
85) sec-Butylbenzene	13.25	105	1156883	51.025	ug/l	100
86) p-Isopropyltoluene	13.37	119	1074671	50.764	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	546868	50.577	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	545837	50.989	ug/l	99
89) n-Butylbenzene	13.70	91	1007626	50.602	ug/l	100
90) Hexachloroethane	13.96	117	195771	50.780	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	489489	51.586	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	36083	51.374	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	345182	51.135	ug/l	100
94) Hexachlorobutadiene	15.11	225	223520	48.324	ug/l	100
95) Naphthalene	15.23	128	602283	53.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	275438	51.618	ug/l	99

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

