

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
 Data File : VY001695.D
 Acq On : 19 Feb 2020 12:46
 Operator : SY/MD
 Sample : VY0219SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/20/2020 5:56:07 PM

Quant Time: Feb 19 17:58:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	178906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	312649	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	282435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	133896	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	98283	51.07	ug/l	0.00
Spiked Amount						
			Recovery	=	102.14%	
35) Dibromofluoromethane	7.74	113	90307	50.43	ug/l	0.00
Spiked Amount						
			Recovery	=	100.86%	
50) Toluene-d8	10.19	98	375021	53.46	ug/l	0.00
Spiked Amount						
			Recovery	=	106.92%	
62) 4-Bromofluorobenzene	12.49	95	133383	48.94	ug/l	0.00
Spiked Amount						
			Recovery	=	97.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	28713	16.465	ug/l	96
3) Chloromethane	2.12	50	40591	17.305	ug/l	96
4) Vinyl Chloride	2.26	62	41583	17.576	ug/l	99
5) Bromomethane	2.65	94	27800	18.801	ug/l	95
6) Chloroethane	2.80	64	26421	18.123	ug/l	95
7) Trichlorofluoromethane	3.14	101	55897	18.460	ug/l	98
8) Diethyl Ether	3.55	74	21827	18.285	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	35627	18.719	ug/l	100
10) Methyl Iodide	4.11	142	39914	17.136	ug/l	100
11) Tert butyl alcohol	4.99	59	26096	102.069	ug/l #	95
12) 1,1-Dichloroethene	3.90	96	35273	18.171	ug/l	99
13) Acrolein	3.76	56	18305	94.184	ug/l	98
14) Allyl chloride	4.51	41	62541	18.103	ug/l	98
15) Acrylonitrile	5.19	53	56648	92.583	ug/l	99
16) Acetone	3.97	43	52210	78.410	ug/l	95
17) Carbon Disulfide	4.22	76	114510	17.669	ug/l	98
18) Methyl Acetate	4.51	43	27334	18.850	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	99053	18.328	ug/l	98
20) Methylene Chloride	4.74	84	43000	18.181	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	39926	18.027	ug/l	98
22) Diisopropyl ether	6.15	45	130681	18.420	ug/l	95
23) Vinyl Acetate	6.09	43	419879	90.730	ug/l	99
24) 1,1-Dichloroethane	6.05	63	68761	18.134	ug/l	98
25) 2-Butanone	7.02	43	79488	87.876	ug/l	99
26) 2,2-Dichloropropane	7.01	77	59386	18.001	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	45057	18.431	ug/l	99
28) Bromochloromethane	7.36	49	29700	18.802	ug/l	99
29) Tetrahydrofuran	7.37	42	50228	91.870	ug/l	99
30) Chloroform	7.54	83	67573	18.238	ug/l	98
31) Cyclohexane	7.80	56	73245	18.117	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	56167	18.037	ug/l	98
36) 1,1-Dichloropropene	7.94	75	55436	18.563	ug/l	99
37) Ethyl Acetate	7.10	43	34055	19.106	ug/l	97
38) Carbon Tetrachloride	7.92	117	48166	18.362	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	73312	18.504	ug/l	99
40) Benzene	8.18	78	164699	18.752	ug/l	98
41) Methacrylonitrile	7.34	41	13260m	14.816	ug/l	
42) 1,2-Dichloroethane	8.26	62	44295	18.512	ug/l	99
43) Isopropyl Acetate	8.29	43	63239	18.699	ug/l	99
44) Trichloroethene	8.96	130	40356	18.406	ug/l	99
45) 1,2-Dichloropropane	9.23	63	42092	19.136	ug/l	99
46) Dibromomethane	9.32	93	21744	18.900	ug/l	98
47) Bromodichloromethane	9.51	83	51233	18.451	ug/l	100
48) Methyl methacrylate	9.31	41	27615	18.055	ug/l	97
49) 1,4-Dioxane	9.32	88	5945	365.853	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	163621	94.165	ug/l	97
52) Toluene	10.25	92	100657	18.372	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	55971	18.234	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	64635	18.295	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	32296	19.037	ug/l	99
56) Ethyl methacrylate	10.52	69	46593	18.308	ug/l	96
57) 1,3-Dichloropropane	10.80	76	56066	18.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	125325	121.081	ug/l	99
59) 2-Hexanone	10.85	43	118064	90.557	ug/l	98
60) Dibromochloromethane	11.00	129	34946	18.684	ug/l	98
61) 1,2-Dibromoethane	11.10	107	30023	18.717	ug/l	99
64) Tetrachloroethene	10.73	164	32860	18.533	ug/l	97
65) Chlorobenzene	11.53	112	105398	18.692	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	35112	18.459	ug/l	99
67) Ethyl Benzene	11.60	91	193798	18.520	ug/l	100
68) m/p-Xylenes	11.71	106	146426	37.460	ug/l	98
69) o-Xylene	12.04	106	69567	18.720	ug/l	96
70) Styrene	12.05	104	120296	18.626	ug/l	99
71) Bromoform	12.22	173	19173	17.638	ug/l #	97
73) Isopropylbenzene	12.34	105	186587	18.292	ug/l	100
74) N-amyl acetate	12.15	43	59316	18.221	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	40279	18.494	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	23910m	15.567	ug/l	
77) Bromobenzene	12.62	156	40005	18.091	ug/l	96
78) n-propylbenzene	12.68	91	227125	18.282	ug/l	98
79) 2-Chlorotoluene	12.77	91	125084	17.952	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	153800	18.215	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	13956	17.238	ug/l	95
82) 4-Chlorotoluene	12.86	91	134452	18.296	ug/l	98
83) tert-Butylbenzene	13.08	119	128077	18.136	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	155302	18.449	ug/l	99
85) sec-Butylbenzene	13.26	105	191851	18.471	ug/l	99
86) p-Isopropyltoluene	13.38	119	165949	18.392	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	79106	18.446	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	81404	18.778	ug/l	100
89) n-Butylbenzene	13.70	91	172026	18.658	ug/l	99
90) Hexachloroethane	13.97	117	30180	17.753	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	73721	18.627	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6146	17.099	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	48635	18.544	ug/l	98
94) Hexachlorobutadiene	15.12	225	24018	18.414	ug/l	99
95) Naphthalene	15.24	128	108647	17.967	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	42666	18.491	ug/l	98

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

