

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
 Data File : VY002965.D
 Acq On : 22 Jun 2020 11:48
 Operator : SY/MD
 Sample : VY0622SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0622SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 8:13:12 PM

Quant Time: Jun 22 14:35:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 20 06:39:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	329226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	482386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	451888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	246779	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	136218	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
35) Dibromofluoromethane	7.72	113	138335	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	10.18	98	551412	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.48	95	190129	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	39785	18.955	ug/l	96
3) Chloromethane	2.12	50	48111	20.189	ug/l	98
4) Vinyl Chloride	2.26	62	48331	18.889	ug/l	98
5) Bromomethane	2.65	94	34712	18.385	ug/l	99
6) Chloroethane	2.80	64	30690	18.544	ug/l	94
7) Trichlorofluoromethane	3.13	101	87397	19.021	ug/l	98
8) Diethyl Ether	3.54	74	31752	19.153	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	52854	19.100	ug/l	99
10) Methyl Iodide	4.10	142	63589	16.598	ug/l	99
11) Tert butyl alcohol	4.97	59	32110	99.537	ug/l	98
12) 1,1-Dichloroethene	3.88	96	51005	18.587	ug/l	92
13) Acrolein	3.74	56	24134	88.342	ug/l	98
14) Allyl chloride	4.49	41	73762	18.637	ug/l	99
15) Acrylonitrile	5.18	53	77720	97.748	ug/l	100
16) Acetone	3.96	43	65123	96.690	ug/l	99
17) Carbon Disulfide	4.20	76	135065	16.649	ug/l	100
18) Methyl Acetate	4.49	43	37528	19.850	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	146607	19.616	ug/l	98
20) Methylene Chloride	4.72	84	63164	14.657	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	56814	18.648	ug/l	99
22) Diisopropyl ether	6.12	45	155506	19.245	ug/l	95
23) Vinyl Acetate	6.07	43	495501	94.799	ug/l	98
24) 1,1-Dichloroethane	6.03	63	90771	18.962	ug/l	100
25) 2-Butanone	6.99	43	96110	95.228	ug/l	98
26) 2,2-Dichloropropane	6.99	77	88789	19.859	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	65250	19.162	ug/l	99
28) Bromochloromethane	7.34	49	37615	18.794	ug/l	98
29) Tetrahydrofuran	7.35	42	62395	95.708	ug/l	99
30) Chloroform	7.51	83	97554	19.457	ug/l	98
31) Cyclohexane	7.78	56	83536	17.890	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	90912	19.678	ug/l	98
36) 1,1-Dichloropropene	7.92	75	74383	18.987	ug/l	99
37) Ethyl Acetate	7.08	43	41871	19.248	ug/l	99
38) Carbon Tetrachloride	7.91	117	84160	19.493	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	94688	18.335	ug/l	97
40) Benzene	8.16	78	222079	19.041	ug/l	98
41) Methacrylonitrile	7.32	41	22158m	20.346	ug/l	
42) 1,2-Dichloroethane	8.24	62	63371	19.576	ug/l	99
43) Isopropyl Acetate	8.28	43	77081	19.028	ug/l	99
44) Trichloroethene	8.94	130	69563	19.254	ug/l	99
45) 1,2-Dichloropropane	9.22	63	54792	19.534	ug/l	96
46) Dibromomethane	9.31	93	32074	19.152	ug/l	97
47) Bromodichloromethane	9.50	83	77793	19.896	ug/l	99
48) Methyl methacrylate	9.30	41	35289	19.415	ug/l	98
49) 1,4-Dioxane	9.30	88	9045	368.498	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	209690	97.683	ug/l	100
52) Toluene	10.24	92	145919	19.331	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	82879	19.503	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	95360	19.825	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	49731	19.912	ug/l	97
56) Ethyl methacrylate	10.51	69	66096	19.632	ug/l	99
57) 1,3-Dichloropropane	10.79	76	81217	19.501	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	157835	94.127	ug/l	99
59) 2-Hexanone	10.83	43	149075	98.778	ug/l	99
60) Dibromochloromethane	10.99	129	63808	20.033	ug/l	100
61) 1,2-Dibromoethane	11.09	107	48540	19.590	ug/l	99
64) Tetrachloroethene	10.72	164	73473	19.512	ug/l	97
65) Chlorobenzene	11.52	112	166369	19.450	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	64228	19.865	ug/l	98
67) Ethyl Benzene	11.59	91	287913	19.514	ug/l	100
68) m/p-Xylenes	11.70	106	223435	38.971	ug/l	99
69) o-Xylene	12.03	106	107093	19.816	ug/l	100
70) Styrene	12.05	104	184732	19.783	ug/l	100
71) Bromoform	12.20	173	44705	20.657	ug/l #	99
73) Isopropylbenzene	12.33	105	294342	19.461	ug/l	100
74) N-amyl acetate	12.14	43	73932	18.981	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	55134	19.661	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	42950m	19.984	ug/l	
77) Bromobenzene	12.61	156	77443	19.557	ug/l	100
78) n-propylbenzene	12.67	91	340252	19.391	ug/l	100
79) 2-Chlorotoluene	12.75	91	189744	19.306	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	247667	19.643	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	22145	19.672	ug/l	95
82) 4-Chlorotoluene	12.86	91	200027	19.353	ug/l	99
83) tert-Butylbenzene	13.08	119	219162	19.406	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	249257	19.646	ug/l	100
85) sec-Butylbenzene	13.25	105	301496	19.625	ug/l	100
86) p-Isopropyltoluene	13.37	119	287230	19.932	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	148066	19.837	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	147162	19.688	ug/l	99
89) n-Butylbenzene	13.70	91	255556	19.617	ug/l	100
90) Hexachloroethane	13.96	117	52550	19.578	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	135904	20.005	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10647	20.324	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	104067	20.415	ug/l	99
94) Hexachlorobutadiene	15.11	225	59806	20.354	ug/l	99
95) Naphthalene	15.23	128	201301	19.813	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	92120	20.255	ug/l	99

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

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