

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
 Data File : VY001268.D
 Acq On : 17 Jan 2020 16:27
 Operator : SY/MD
 Sample : VY0117SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0117SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:06:46 AM

Quant Time: Jan 18 03:39:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	191462	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.71	114	333377	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.50	117	293956	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.44	152	138114	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	99343	49.13	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	7.75	113	92523	47.40	ug/l	0.02
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	10.19	98	374236	49.76	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.49	95	135340	44.02	ug/l	0.01
Spiked Amount	50.000		Recovery	=	88.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	27236	18.523	ug/l	96
3) Chloromethane	2.13	50	41260	19.467	ug/l	97
4) Vinyl Chloride	2.27	62	43741	20.485	ug/l	99
5) Bromomethane	2.66	94	32159	28.039	ug/l	95
6) Chloroethane	2.81	64	29176	23.651	ug/l	93
7) Trichlorofluoromethane	3.15	101	58529	19.693	ug/l	100
8) Diethyl Ether	3.56	74	24672	21.363	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	38459	20.103	ug/l	98
10) Methyl Iodide	4.13	142	46009	17.570	ug/l	98
11) Tert butyl alcohol	5.00	59	29217	143.602	ug/l #	87
12) 1,1-Dichloroethene	3.90	96	39858	20.364	ug/l	98
13) Acrolein	3.76	56	20259	110.606	ug/l	97
14) Allyl chloride	4.52	41	68259	20.663	ug/l	100
15) Acrylonitrile	5.21	53	62937	108.965	ug/l	98
16) Acetone	3.98	43	54158	115.320	ug/l	98
17) Carbon Disulfide	4.22	76	118859	18.763	ug/l	99
18) Methyl Acetate	4.52	43	32829	21.143	ug/l	100
19) Methyl tert-butyl Ether	5.26	73	113959	21.049	ug/l	99
20) Methylene Chloride	4.76	84	57922	23.543	ug/l	96
21) trans-1,2-Dichloroethene	5.27	96	45703	20.593	ug/l	90
22) Diisopropyl ether	6.16	45	144952	21.483	ug/l	97
23) Vinyl Acetate	6.10	43	465933	107.976	ug/l	99
24) 1,1-Dichloroethane	6.05	63	78104	21.145	ug/l	99
25) 2-Butanone	7.02	43	84384	115.450	ug/l	96
26) 2,2-Dichloropropane	7.02	77	70313	20.700	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	52379	21.539	ug/l	99
28) Bromochloromethane	7.36	49	28806	18.991	ug/l	98
29) Tetrahydrofuran	7.38	42	54052	107.910	ug/l	98
30) Chloroform	7.53	83	77066	21.293	ug/l	99
31) Cyclohexane	7.81	56	74159	18.962	ug/l	90
32) 1,1,1-Trichloroethane	7.73	97	64867	20.199	ug/l	100
36) 1,1-Dichloropropene	7.94	75	61390	20.204	ug/l	99
37) Ethyl Acetate	7.11	43	36375	20.398	ug/l	98
38) Carbon Tetrachloride	7.92	117	55861	20.060	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	78024	18.941	ug/l	96
40) Benzene	8.19	78	186208	20.994	ug/l	99
41) Methacrylonitrile	7.34	41	15306m	18.272	ug/l	
42) 1,2-Dichloroethane	8.26	62	51433	20.709	ug/l	99
43) Isopropyl Acetate	8.30	43	71486	20.964	ug/l	98
44) Trichloroethene	8.96	130	47363	20.493	ug/l	95
45) 1,2-Dichloropropane	9.24	63	46991	21.430	ug/l	96
46) Dibromomethane	9.33	93	24461	20.445	ug/l	98
47) Bromodichloromethane	9.52	83	60799	20.852	ug/l	95
48) Methyl methacrylate	9.31	41	31679	20.076	ug/l	96
49) 1,4-Dioxane	9.32	88	6708	460.395	ug/l #	95
51) 4-Methyl-2-Pentanone	10.08	43	182916	105.718	ug/l	97
52) Toluene	10.26	92	117187	20.715	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	65908	20.200	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	75416	20.501	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	36761	20.726	ug/l	98
56) Ethyl methacrylate	10.52	69	55479	20.448	ug/l	99
57) 1,3-Dichloropropane	10.80	76	64497	21.182	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	100869	105.706	ug/l	99
59) 2-Hexanone	10.84	43	130239	107.405	ug/l	98
60) Dibromochloromethane	11.00	129	41594	20.368	ug/l	99
61) 1,2-Dibromoethane	11.10	107	34546	19.947	ug/l	99
64) Tetrachloroethene	10.73	164	37238	19.652	ug/l	98
65) Chlorobenzene	11.53	112	122933	20.929	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	43497	21.486	ug/l	99
67) Ethyl Benzene	11.60	91	225415	20.979	ug/l	100
68) m/p-Xylenes	11.71	106	171275	42.256	ug/l	98
69) o-Xylene	12.04	106	82572	21.248	ug/l	96
70) Styrene	12.05	104	142585	20.911	ug/l	98
71) Bromoform	12.22	173	24764	19.836	ug/l #	99
73) Isopropylbenzene	12.34	105	213374	20.550	ug/l	99
74) N-amyl acetate	12.16	43	65063	20.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	45402	20.784	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	36048m	24.381	ug/l	
77) Bromobenzene	12.62	156	48942	21.332	ug/l	94
78) n-propylbenzene	12.68	91	257361	20.607	ug/l	100
79) 2-Chlorotoluene	12.77	91	146496	20.424	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	181197	20.915	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	16714	19.170	ug/l #	100
82) 4-Chlorotoluene	12.86	91	153823	20.089	ug/l	98
83) tert-Butylbenzene	13.08	119	151249	20.777	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	181828	21.135	ug/l	100
85) sec-Butylbenzene	13.26	105	216913	20.713	ug/l	100
86) p-Isopropyltoluene	13.37	119	192249	21.144	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	95701	22.056	ug/l	96
88) 1,4-Dichlorobenzene	13.45	146	94125	21.078	ug/l	99
89) n-Butylbenzene	13.70	91	188918	20.629	ug/l	100
90) Hexachloroethane	13.97	117	36293	20.428	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	85653	21.241	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7356	18.667	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	57392	21.601	ug/l	99
94) Hexachlorobutadiene	15.12	225	28893	21.586	ug/l	99
95) Naphthalene	15.24	128	126535	20.457	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	51236	21.881	ug/l	98

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

