

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002358.D
 Acq On : 16 Apr 2020 11:56
 Operator : SY/MD
 Sample : VY0416SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:52:10 AM

Quant Time: Apr 17 07:28:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	163217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	292101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	260421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	118104	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	82987	45.72	ug/l	0.00
Spiked Amount						
			Recovery	=	91.44%	
35) Dibromofluoromethane	7.73	113	89397	51.43	ug/l	0.00
Spiked Amount						
			Recovery	=	102.86%	
50) Toluene-d8	10.18	98	369011	50.72	ug/l	0.00
Spiked Amount						
			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.49	95	123194	51.33	ug/l	0.00
Spiked Amount						
			Recovery	=	102.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	30407	18.433	ug/l	97
3) Chloromethane	2.12	50	38994	18.783	ug/l	97
4) Vinyl Chloride	2.26	62	42149	19.074	ug/l	97
5) Bromomethane	2.65	94	26670	19.544	ug/l	92
6) Chloroethane	2.80	64	24867	19.513	ug/l	95
7) Trichlorofluoromethane	3.13	101	56467	19.787	ug/l	99
8) Diethyl Ether	3.54	74	25203	20.774	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	40773	21.033	ug/l	97
10) Methyl Iodide	4.10	142	43165	19.157	ug/l	99
11) Tert butyl alcohol	4.97	59	22575	96.146	ug/l #	90
12) 1,1-Dichloroethene	3.88	96	41510	21.062	ug/l	89
13) Acrolein	3.74	56	18914	80.818	ug/l	98
14) Allyl chloride	4.49	41	59219	18.608	ug/l	93
15) Acrylonitrile	5.18	53	59450	95.825	ug/l	100
16) Acetone	3.96	43	43520	91.034	ug/l	94
17) Carbon Disulfide	4.21	76	133077	20.332	ug/l	100
18) Methyl Acetate	4.49	43	26540	17.898	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	101267	19.545	ug/l	96
20) Methylene Chloride	4.73	84	53786	22.890	ug/l	90
21) trans-1,2-Dichloroethene	5.24	96	45602	20.615	ug/l	96
22) Diisopropyl ether	6.13	45	122106	19.065	ug/l	98
23) Vinyl Acetate	6.08	43	376538	92.257	ug/l	96
24) 1,1-Dichloroethane	6.04	63	72517	19.906	ug/l	99
25) 2-Butanone	7.00	43	67418	89.111	ug/l	98
26) 2,2-Dichloropropane	6.99	77	58430	19.174	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	49868	20.680	ug/l	94
28) Bromochloromethane	7.35	49	30327	19.285	ug/l	94
29) Tetrahydrofuran	7.36	42	44197	88.376	ug/l	95
30) Chloroform	7.52	83	68263	19.879	ug/l	100
31) Cyclohexane	7.79	56	74514	19.486	ug/l	92
32) 1,1,1-Trichloroethane	7.71	97	57576	20.144	ug/l	99
36) 1,1-Dichloropropene	7.92	75	57242	19.895	ug/l	96
37) Ethyl Acetate	7.08	43	29890	18.185	ug/l	96
38) Carbon Tetrachloride	7.91	117	49433	20.086	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	79656	20.353	ug/l	95
40) Benzene	8.17	78	179932	20.612	ug/l	100
41) Methacrylonitrile	7.33	41	18100m	18.667	ug/l	
42) 1,2-Dichloroethane	8.25	62	40023	18.509	ug/l	95
43) Isopropyl Acetate	8.28	43	54653	18.232	ug/l	96
44) Trichloroethene	8.94	130	52636	20.509	ug/l	94
45) 1,2-Dichloropropane	9.22	63	43017	19.861	ug/l	100
46) Dibromomethane	9.31	93	23071	20.373	ug/l	98
47) Bromodichloromethane	9.50	83	52217	20.096	ug/l	96
48) Methyl methacrylate	9.30	41	23143	17.218	ug/l	90
49) 1,4-Dioxane	9.31	88	5896	368.059	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	141716	90.725	ug/l	97
52) Toluene	10.25	92	109389	20.793	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	55833	19.721	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	68657	20.171	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	35055	21.143	ug/l	98
56) Ethyl methacrylate	10.51	69	46595	19.691	ug/l	92
57) 1,3-Dichloropropane	10.80	76	60158	20.643	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	123797	101.026	ug/l	97
59) 2-Hexanone	10.83	43	98652	90.999	ug/l	96
60) Dibromochloromethane	10.99	129	35957	20.339	ug/l	99
61) 1,2-Dibromoethane	11.09	107	31916	20.221	ug/l	99
64) Tetrachloroethene	10.72	164	54588	20.733	ug/l	93
65) Chlorobenzene	11.52	112	114481	21.148	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	37110	20.763	ug/l	97
67) Ethyl Benzene	11.60	91	205663	20.753	ug/l	100
68) m/p-Xylenes	11.70	106	155028	41.766	ug/l	98
69) o-Xylene	12.03	106	74427	21.358	ug/l	95
70) Styrene	12.05	104	127227	21.043	ug/l	99
71) Bromoform	12.21	173	20241	20.825	ug/l #	100
73) Isopropylbenzene	12.33	105	193602	20.866	ug/l	100
74) N-amyl acetate	12.14	43	49087	18.637	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	24493	21.819	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	28372m	20.688	ug/l	
77) Bromobenzene	12.61	156	43553	21.336	ug/l	95
78) n-propylbenzene	12.67	91	237409	20.573	ug/l	100
79) 2-Chlorotoluene	12.76	91	130230	20.767	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	161543	21.052	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	13802	19.574	ug/l	99
82) 4-Chlorotoluene	12.86	91	134858	20.517	ug/l	99
83) tert-Butylbenzene	13.08	119	135370	21.061	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	159980	20.878	ug/l	100
85) sec-Butylbenzene	13.25	105	201441	21.038	ug/l	100
86) p-Isopropyltoluene	13.37	119	174552	21.181	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	83980	21.228	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	81831	20.377	ug/l	98
89) n-Butylbenzene	13.70	91	174335	20.639	ug/l	100
90) Hexachloroethane	13.96	117	31438	20.020	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	75868	21.105	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5068	18.667	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	48136	20.486	ug/l	98
94) Hexachlorobutadiene	15.11	225	24114	20.376	ug/l	96
95) Naphthalene	15.24	128	101109	19.653	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	41441	20.312	ug/l	99

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

