

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002302.D
 Acq On : 14 Apr 2020 12:50
 Operator : SY/MD
 Sample : VY0414SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0414SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/15/2020 9:38:25 AM

Quant Time: Apr 15 06:10:17 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	158836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	290102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	254593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	119451	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	81042	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
35) Dibromofluoromethane	7.73	113	84960	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	10.18	98	357889	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.49	95	115206	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	29988	18.681	ug/l	95
3) Chloromethane	2.12	50	38562	19.087	ug/l	98
4) Vinyl Chloride	2.26	62	41284	19.198	ug/l	95
5) Bromomethane	2.65	94	26404	19.883	ug/l	89
6) Chloroethane	2.80	64	23546	18.986	ug/l	96
7) Trichlorofluoromethane	3.13	101	55368	19.937	ug/l	94
8) Diethyl Ether	3.54	74	24928	21.114	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.91	101	39075	20.713	ug/l	98
10) Methyl Iodide	4.10	142	44378	20.238	ug/l	97
11) Tert butyl alcohol	4.97	59	21181	91.310	ug/l	100
12) 1,1-Dichloroethene	3.88	96	40435	21.083	ug/l	90
13) Acrolein	3.75	56	19781	86.854	ug/l	100
14) Allyl chloride	4.49	41	57361	18.521	ug/l	95
15) Acrylonitrile	5.18	53	58364	96.670	ug/l	99
16) Acetone	3.96	43	42309	90.942	ug/l	90
17) Carbon Disulfide	4.21	76	129755	20.371	ug/l	98
18) Methyl Acetate	4.49	43	26757	18.542	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	98983	19.631	ug/l	99
20) Methylene Chloride	4.73	84	48668	21.283	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	44724	20.775	ug/l	96
22) Diisopropyl ether	6.13	45	120182	19.282	ug/l	98
23) Vinyl Acetate	6.08	43	374911	94.392	ug/l	95
24) 1,1-Dichloroethane	6.03	63	71251	20.098	ug/l	98
25) 2-Butanone	7.00	43	66766	90.684	ug/l	96
26) 2,2-Dichloropropane	7.00	77	56669	19.109	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	48062	20.481	ug/l	96
28) Bromochloromethane	7.35	49	29690	19.401	ug/l	89
29) Tetrahydrofuran	7.36	42	43751	89.897	ug/l	94
30) Chloroform	7.52	83	67702	20.259	ug/l	100
31) Cyclohexane	7.80	56	72885	19.586	ug/l #	88
32) 1,1,1-Trichloroethane	7.71	97	55077	19.801	ug/l	98
36) 1,1-Dichloropropene	7.93	75	56878	19.905	ug/l	97
37) Ethyl Acetate	7.08	43	29826	18.271	ug/l	97
38) Carbon Tetrachloride	7.91	117	48261	19.745	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	77386	19.909	ug/l	99
40) Benzene	8.17	78	176338	20.340	ug/l	98
41) Methacrylonitrile	7.32	41	12750	13.240	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	40436	18.829	ug/l	96
43) Isopropyl Acetate	8.28	43	53817	18.077	ug/l	96
44) Trichloroethene	8.94	130	50973	19.998	ug/l	97
45) 1,2-Dichloropropane	9.22	63	42977	19.979	ug/l	98
46) Dibromomethane	9.31	93	22691	20.175	ug/l	99
47) Bromodichloromethane	9.50	83	51851	20.092	ug/l	95
48) Methyl methacrylate	9.30	41	23525	17.623	ug/l	96
49) 1,4-Dioxane	9.30	88	6322	397.372	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	145916	94.058	ug/l	96
52) Toluene	10.25	92	106093	20.306	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	55436	19.716	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	66723	19.738	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	33581	20.394	ug/l	95
56) Ethyl methacrylate	10.51	69	46187	19.653	ug/l	93
57) 1,3-Dichloropropane	10.80	76	57189	19.760	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	120745	99.215	ug/l	99
59) 2-Hexanone	10.83	43	97502	90.558	ug/l	96
60) Dibromochloromethane	10.99	129	34933	19.896	ug/l	100
61) 1,2-Dibromoethane	11.10	107	30810	19.654	ug/l	100
64) Tetrachloroethene	10.72	164	54180	21.049	ug/l	95
65) Chlorobenzene	11.52	112	111962	21.156	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	36245	20.744	ug/l	97
67) Ethyl Benzene	11.60	91	201324	20.780	ug/l	98
68) m/p-Xylenes	11.70	106	153725	42.363	ug/l	95
69) o-Xylene	12.03	106	72348	21.236	ug/l	96
70) Styrene	12.05	104	122603	20.743	ug/l	99
71) Bromoform	12.21	173	19479	20.500	ug/l #	97
73) Isopropylbenzene	12.33	105	190867	20.339	ug/l	100
74) N-amyl acetate	12.14	43	48267	18.119	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	24592	21.660	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	23467m	16.918	ug/l	
77) Bromobenzene	12.61	156	42475	20.573	ug/l	96
78) n-propylbenzene	12.67	91	232122	19.888	ug/l	99
79) 2-Chlorotoluene	12.76	91	126210	19.899	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	157523	20.297	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	13546	18.994	ug/l	98
82) 4-Chlorotoluene	12.86	91	132867	19.987	ug/l	98
83) tert-Butylbenzene	13.08	119	132231	20.341	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	155336	20.044	ug/l	99
85) sec-Butylbenzene	13.25	105	195646	20.203	ug/l	100
86) p-Isopropyltoluene	13.37	119	168819	20.255	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	82657	20.658	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	81249	20.004	ug/l	99
89) n-Butylbenzene	13.70	91	170195	19.921	ug/l	99
90) Hexachloroethane	13.96	117	31461	19.808	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	74884	20.596	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5040	18.354	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	46919	19.743	ug/l	100
94) Hexachlorobutadiene	15.11	225	23229	19.407	ug/l	98
95) Naphthalene	15.24	128	101199	19.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	40559	19.655	ug/l	100

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

