

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
 Data File : VY001374.D
 Acq On : 24 Jan 2020 12:15
 Operator : SY/MD
 Sample : VY0124SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0124SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:01:47 PM

Quant Time: Jan 25 04:12:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	187006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	323029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	287660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	137381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	107122	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.74	113	98352	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.19	98	408706	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
62) 4-Bromofluorobenzene	12.49	95	149603	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	34597	23.460	ug/l	96
3) Chloromethane	2.13	50	47643	21.375	ug/l	99
4) Vinyl Chloride	2.26	62	49876	21.461	ug/l	95
5) Bromomethane	2.66	94	33388	21.331	ug/l	100
6) Chloroethane	2.81	64	31540	21.238	ug/l	99
7) Trichlorofluoromethane	3.15	101	65513	22.032	ug/l	99
8) Diethyl Ether	3.55	74	25526	20.335	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.92	101	42389	22.384	ug/l	99
10) Methyl Iodide	4.11	142	49392	19.776	ug/l	99
11) Tert butyl alcohol	4.99	59	29726	104.946	ug/l #	94
12) 1,1-Dichloroethene	3.90	96	41722	21.013	ug/l	99
13) Acrolein	3.75	56	19170	120.316	ug/l	96
14) Allyl chloride	4.50	41	73775	20.835	ug/l	99
15) Acrylonitrile	5.20	53	67527	105.093	ug/l	99
16) Acetone	3.97	43	59790	107.209	ug/l	99
17) Carbon Disulfide	4.22	76	134956	21.612	ug/l	99
18) Methyl Acetate	4.50	43	34144	19.897	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	117538	20.218	ug/l	97
20) Methylene Chloride	4.75	84	53941	18.824	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	47127	20.433	ug/l	96
22) Diisopropyl ether	6.14	45	150501	20.016	ug/l	99
23) Vinyl Acetate	6.09	43	505228	103.502	ug/l	100
24) 1,1-Dichloroethane	6.05	63	81503	20.565	ug/l	99
25) 2-Butanone	7.02	43	92819	104.798	ug/l	97
26) 2,2-Dichloropropane	7.00	77	74008	20.964	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	53175	20.630	ug/l	99
28) Bromochloromethane	7.36	49	31497	19.271	ug/l	99
29) Tetrahydrofuran	7.37	42	59470	103.207	ug/l	99
30) Chloroform	7.53	83	78873	20.304	ug/l	95
31) Cyclohexane	7.80	56	85055	21.616	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	68846	20.990	ug/l	100
36) 1,1-Dichloropropene	7.94	75	65101	21.332	ug/l	98
37) Ethyl Acetate	7.10	43	40221	21.571	ug/l	99
38) Carbon Tetrachloride	7.92	117	59132	21.741	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	88418	22.616	ug/l	98
40) Benzene	8.18	78	193263	21.120	ug/l	99
41) Methacrylonitrile	7.34	41	20621	21.431	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	53004	20.730	ug/l	99
43) Isopropyl Acetate	8.29	43	76889	21.207	ug/l	99
44) Trichloroethene	8.96	130	49712	21.171	ug/l	95
45) 1,2-Dichloropropane	9.23	63	48506	20.969	ug/l	97
46) Dibromomethane	9.31	93	25914	20.867	ug/l	99
47) Bromodichloromethane	9.51	83	61648	20.766	ug/l	99
48) Methyl methacrylate	9.30	41	34561	20.969	ug/l	98
49) 1,4-Dioxane	9.31	88	7289	416.211	ug/l #	89
51) 4-Methyl-2-Pentanone	10.08	43	197995	106.041	ug/l	100
52) Toluene	10.25	92	122834	21.176	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	67431	20.493	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	78533	20.793	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	38076	20.773	ug/l	98
56) Ethyl methacrylate	10.52	69	58107	20.974	ug/l	97
57) 1,3-Dichloropropane	10.80	76	66817	20.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	108530	113.211	ug/l	99
59) 2-Hexanone	10.84	43	142679	109.765	ug/l	99
60) Dibromochloromethane	10.99	129	41681	20.331	ug/l	98
61) 1,2-Dibromoethane	11.10	107	36243	20.916	ug/l	100
64) Tetrachloroethene	10.72	164	39518	21.507	ug/l	99
65) Chlorobenzene	11.52	112	127246	20.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	43084	20.821	ug/l	100
67) Ethyl Benzene	11.60	91	236165	21.135	ug/l	98
68) m/p-Xylenes	11.70	106	177164	42.450	ug/l	99
69) o-Xylene	12.03	106	84466	21.038	ug/l	99
70) Styrene	12.05	104	146758	20.834	ug/l	99
71) Bromoform	12.21	173	24708	20.003	ug/l #	99
73) Isopropylbenzene	12.33	105	226043	20.852	ug/l	100
74) N-amyl acetate	12.15	43	72749	20.502	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	48043	20.694	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	33625m	20.312	ug/l	
77) Bromobenzene	12.61	156	49015	20.414	ug/l	97
78) n-propylbenzene	12.67	91	275538	21.117	ug/l	100
79) 2-Chlorotoluene	12.76	91	154976	20.791	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	188041	20.781	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	17991	20.566	ug/l	100
82) 4-Chlorotoluene	12.86	91	162115	20.360	ug/l	100
83) tert-Butylbenzene	13.08	119	163257	21.404	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	191584	21.088	ug/l	99
85) sec-Butylbenzene	13.26	105	234413	21.631	ug/l	99
86) p-Isopropyltoluene	13.38	119	208552	21.838	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	96293	20.824	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	97938	20.859	ug/l	99
89) n-Butylbenzene	13.70	91	210281	21.878	ug/l	99
90) Hexachloroethane	13.97	117	38841	21.456	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	88349	20.717	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8431	21.045	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	61257	21.402	ug/l	98
94) Hexachlorobutadiene	15.11	225	30961	22.215	ug/l	99
95) Naphthalene	15.24	128	138348	21.138	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	54238	21.602	ug/l	99

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

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