

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
 Data File : VY001378.D
 Acq On : 24 Jan 2020 13:43
 Operator : SY/MD
 Sample : VY0124SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0124SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:01:43 PM

Quant Time: Jan 25 04:19:33 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	187928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	322691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	285441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	137552	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	99207	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.75	113	91954	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.19	98	373386	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.49	95	136908	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	33853	22.843	ug/l	100
3) Chloromethane	2.13	50	47723	21.306	ug/l	99
4) Vinyl Chloride	2.26	62	49788	21.318	ug/l	97
5) Bromomethane	2.65	94	34011	21.623	ug/l	98
6) Chloroethane	2.80	64	31487	21.098	ug/l	96
7) Trichlorofluoromethane	3.15	101	66939	22.401	ug/l	93
8) Diethyl Ether	3.55	74	25873	20.510	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	42609	22.390	ug/l	98
10) Methyl Iodide	4.12	142	47898	19.083	ug/l	98
11) Tert butyl alcohol	4.99	59	32291	115.145	ug/l #	86
12) 1,1-Dichloroethene	3.90	96	43077	21.589	ug/l	95
13) Acrolein	3.75	56	18181	112.783	ug/l	96
14) Allyl chloride	4.51	41	75109	21.108	ug/l	99
15) Acrylonitrile	5.20	53	65978	102.179	ug/l	99
16) Acetone	3.97	43	60237	107.500	ug/l	96
17) Carbon Disulfide	4.22	76	134210	21.387	ug/l	97
18) Methyl Acetate	4.51	43	34615	20.073	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	119174	20.398	ug/l	97
20) Methylene Chloride	4.75	84	50397	17.175	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	48315	20.846	ug/l	96
22) Diisopropyl ether	6.15	45	152122	20.133	ug/l	96
23) Vinyl Acetate	6.10	43	501016	102.136	ug/l	99
24) 1,1-Dichloroethane	6.05	63	82473	20.708	ug/l	98
25) 2-Butanone	7.02	43	93185	104.695	ug/l	99
26) 2,2-Dichloropropane	7.02	77	72560	20.453	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	52962	20.446	ug/l	98
28) Bromochloromethane	7.36	49	31233	19.016	ug/l	99
29) Tetrahydrofuran	7.38	42	59028	101.937	ug/l	100
30) Chloroform	7.53	83	79389	20.337	ug/l	97
31) Cyclohexane	7.81	56	83534	21.125	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	69552	21.101	ug/l	99
36) 1,1-Dichloropropene	7.94	75	66464	21.801	ug/l	99
37) Ethyl Acetate	7.11	43	39375	21.140	ug/l	100
38) Carbon Tetrachloride	7.92	117	60253	22.176	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	88902	22.764	ug/l	97
40) Benzene	8.18	78	196070	21.449	ug/l	100
41) Methacrylonitrile	7.35	41	21307m	22.167	ug/l	
42) 1,2-Dichloroethane	8.26	62	53208	20.832	ug/l	99
43) Isopropyl Acetate	8.30	43	77474	21.391	ug/l	99
44) Trichloroethene	8.96	130	50093	21.355	ug/l	99
45) 1,2-Dichloropropane	9.24	63	49688	21.502	ug/l	98
46) Dibromomethane	9.32	93	25143	20.267	ug/l	97
47) Bromodichloromethane	9.51	83	63008	21.246	ug/l	98
48) Methyl methacrylate	9.31	41	34524	20.968	ug/l	99
49) 1,4-Dioxane	9.31	88	7463	426.593	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	198022	106.167	ug/l	99
52) Toluene	10.25	92	122853	21.202	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	68992	20.989	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	78813	20.889	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	38102	20.809	ug/l	96
56) Ethyl methacrylate	10.52	69	56906	20.562	ug/l	99
57) 1,3-Dichloropropane	10.80	76	66473	20.840	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	104379	108.995	ug/l	99
59) 2-Hexanone	10.84	43	143512	110.522	ug/l	99
60) Dibromochloromethane	10.99	129	41346	20.189	ug/l	99
61) 1,2-Dibromoethane	11.10	107	36351	21.000	ug/l	97
64) Tetrachloroethene	10.73	164	39190	21.494	ug/l	97
65) Chlorobenzene	11.52	112	125894	20.924	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	42960	20.923	ug/l	98
67) Ethyl Benzene	11.60	91	236627	21.341	ug/l	100
68) m/p-Xylenes	11.70	106	177247	42.800	ug/l	99
69) o-Xylene	12.03	106	84613	21.239	ug/l	99
70) Styrene	12.05	104	145957	20.881	ug/l	99
71) Bromoform	12.22	173	24421	19.924	ug/l	# 98
73) Isopropylbenzene	12.33	105	226942	20.909	ug/l	99
74) N-amyl acetate	12.15	43	73287	20.628	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	47473	20.423	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	32454m	19.580	ug/l	
77) Bromobenzene	12.61	156	48635	20.230	ug/l	99
78) n-propylbenzene	12.67	91	277269	21.223	ug/l	100
79) 2-Chlorotoluene	12.76	91	154561	20.709	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	191631	21.151	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	17050	19.466	ug/l	96
82) 4-Chlorotoluene	12.86	91	165800	20.797	ug/l	100
83) tert-Butylbenzene	13.08	119	158143	20.707	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	189731	20.859	ug/l	98
85) sec-Butylbenzene	13.26	105	234478	21.610	ug/l	100
86) p-Isopropyltoluene	13.37	119	207961	21.749	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	96899	20.929	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	99706	21.209	ug/l	99
89) n-Butylbenzene	13.70	91	209893	21.811	ug/l	98
90) Hexachloroethane	13.97	117	37763	20.835	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	89267	20.906	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8376	20.882	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	59671	20.822	ug/l	98
94) Hexachlorobutadiene	15.11	225	30227	21.662	ug/l	98
95) Naphthalene	15.23	128	137048	20.914	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	53222	21.171	ug/l	99

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

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