

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002004.D
 Acq On : 18 Mar 2020 11:25
 Operator : SY/MD
 Sample : VY0318SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 11:59:34 AM

Quant Time: Mar 19 08:19:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	155260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	280456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	250407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	118661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	80921	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.74	113	78806	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.19	98	325854	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.49	95	114111	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	26718	18.643	ug/l	98
3) Chloromethane	2.13	50	37853	19.590	ug/l	96
4) Vinyl Chloride	2.27	62	39217	19.954	ug/l	99
5) Bromomethane	2.66	94	27012	20.022	ug/l	95
6) Chloroethane	2.81	64	26008	21.066	ug/l	99
7) Trichlorofluoromethane	3.15	101	54424	20.418	ug/l	93
8) Diethyl Ether	3.55	74	21477	20.444	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	35835	20.902	ug/l	99
10) Methyl Iodide	4.11	142	38039	19.186	ug/l	98
11) Tert butyl alcohol	4.98	59	20653	106.802	ug/l #	88
12) 1,1-Dichloroethene	3.90	96	35434	20.527	ug/l	97
13) Acrolein	3.75	56	17102	73.425	ug/l	97
14) Allyl chloride	4.51	41	63473	20.741	ug/l	99
15) Acrylonitrile	5.19	53	53104	94.597	ug/l	99
16) Acetone	3.97	43	42721	88.492	ug/l	98
17) Carbon Disulfide	4.22	76	109146	18.809	ug/l	98
18) Methyl Acetate	4.51	43	23461	18.914	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	92755	19.828	ug/l	99
20) Methylene Chloride	4.74	84	42845	20.708	ug/l	90
21) trans-1,2-Dichloroethene	5.25	96	40678	20.761	ug/l	98
22) Diisopropyl ether	6.15	45	132784	21.168	ug/l	95
23) Vinyl Acetate	6.09	43	405888	98.700	ug/l	99
24) 1,1-Dichloroethane	6.05	63	71419	21.024	ug/l	99
25) 2-Butanone	7.02	43	67670	92.174	ug/l	97
26) 2,2-Dichloropropane	7.00	77	60633	21.747	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	44298	20.785	ug/l	98
28) Bromochloromethane	7.36	49	32412	21.168	ug/l	99
29) Tetrahydrofuran	7.38	42	43582	89.394	ug/l	99
30) Chloroform	7.53	83	66141	20.724	ug/l	99
31) Cyclohexane	7.81	56	73116	20.074	ug/l	96
32) 1,1,1-Trichloroethane	7.73	97	57262	21.287	ug/l	98
36) 1,1-Dichloropropene	7.94	75	56374	20.888	ug/l	99
37) Ethyl Acetate	7.10	43	30582	19.497	ug/l	98
38) Carbon Tetrachloride	7.92	117	48956	21.234	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	72927	20.373	ug/l	100
40) Benzene	8.18	78	167562	20.947	ug/l	97
41) Methacrylonitrile	7.35	41	17683m	25.050	ug/l	
42) 1,2-Dichloroethane	8.26	62	42493	20.615	ug/l	100
43) Isopropyl Acetate	8.30	43	56607	19.061	ug/l	100
44) Trichloroethene	8.96	130	41180	21.138	ug/l	98
45) 1,2-Dichloropropane	9.24	63	42761	21.265	ug/l	99
46) Dibromomethane	9.32	93	20656	19.933	ug/l	99
47) Bromodichloromethane	9.52	83	51396	21.321	ug/l	98
48) Methyl methacrylate	9.31	41	24276	18.422	ug/l	94
49) 1,4-Dioxane	9.31	88	5241	369.100	ug/l #	83
51) 4-Methyl-2-Pentanone	10.08	43	147255	96.268	ug/l	99
52) Toluene	10.26	92	104061	21.414	ug/l	97
53) t-1,3-Dichloropropene	10.48	75	54023	20.570	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	64950	20.774	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	30595	20.174	ug/l	96
56) Ethyl methacrylate	10.52	69	43019	19.353	ug/l	97
57) 1,3-Dichloropropane	10.80	76	54144	20.029	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	113506	130.732	ug/l	99
59) 2-Hexanone	10.85	43	100522	92.072	ug/l	99
60) Dibromochloromethane	11.00	129	32771	20.507	ug/l	100
61) 1,2-Dibromoethane	11.10	107	28791	20.042	ug/l	98
64) Tetrachloroethene	10.74	164	33648	21.427	ug/l	93
65) Chlorobenzene	11.53	112	104531	20.950	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	35250	21.544	ug/l	100
67) Ethyl Benzene	11.61	91	194796	20.934	ug/l	97
68) m/p-Xylenes	11.72	106	146481	42.578	ug/l	99
69) o-Xylene	12.04	106	70472	21.733	ug/l	96
70) Styrene	12.06	104	118922	21.414	ug/l	100
71) Bromoform	12.22	173	18244	20.560	ug/l #	99
73) Isopropylbenzene	12.34	105	187526	20.702	ug/l	99
74) N-amyl acetate	12.16	43	51968	18.667	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	37069	18.977	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	26150m	18.573	ug/l	
77) Bromobenzene	12.62	156	39455	20.558	ug/l	97
78) n-propylbenzene	12.68	91	231609	20.725	ug/l	99
79) 2-Chlorotoluene	12.77	91	127163	20.596	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	155634	20.870	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	13129	18.835	ug/l	96
82) 4-Chlorotoluene	12.86	91	133970	20.840	ug/l	99
83) tert-Butylbenzene	13.09	119	131932	21.301	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	155698	21.039	ug/l	100
85) sec-Butylbenzene	13.27	105	194770	21.334	ug/l	99
86) p-Isopropyltoluene	13.38	119	168545	21.401	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	80357	21.367	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	80212	21.024	ug/l	100
89) n-Butylbenzene	13.71	91	171981	21.049	ug/l	100
90) Hexachloroethane	13.97	117	31128	20.952	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	71481	20.922	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5654	18.549	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	46031	20.775	ug/l	98
94) Hexachlorobutadiene	15.12	225	23126	21.408	ug/l	99
95) Naphthalene	15.25	128	100050	19.037	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	40730	20.867	ug/l	98

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

