

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061620\
 Data File : VY002904.D
 Acq On : 16 Jun 2020 12:59
 Operator : SY/MD
 Sample : VY0616SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 11:14:26 AM

Quant Time: Jun 17 02:29:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	260169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	383521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	362452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	201115	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	112930	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	7.72	113	114961	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.18	98	444040	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.48	95	159315	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	34351	19.189	ug/l	100
3) Chloromethane	2.12	50	42571	21.499	ug/l	99
4) Vinyl Chloride	2.26	62	42408	20.263	ug/l	95
5) Bromomethane	2.65	94	33121	21.118	ug/l	98
6) Chloroethane	2.79	64	29155	21.489	ug/l	95
7) Trichlorofluoromethane	3.13	101	81521	21.993	ug/l	98
8) Diethyl Ether	3.54	74	29322	20.259	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	48131	21.869	ug/l	96
10) Methyl Iodide	4.10	142	64406	20.914	ug/l	98
11) Tert butyl alcohol	4.97	59	31584	123.630	ug/l #	88
12) 1,1-Dichloroethene	3.88	96	47880	21.633	ug/l	98
13) Acrolein	3.74	56	18974	71.674	ug/l	100
14) Allyl chloride	4.49	41	69016	21.742	ug/l	99
15) Acrylonitrile	5.18	53	73137	112.009	ug/l	99
16) Acetone	3.96	43	61540	116.178	ug/l	99
17) Carbon Disulfide	4.20	76	129088	19.301	ug/l	99
18) Methyl Acetate	4.49	43	35267	26.070	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	136645	22.363	ug/l	100
20) Methylene Chloride	4.72	84	62399	24.105	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	52547	21.111	ug/l	95
22) Diisopropyl ether	6.13	45	144844	21.958	ug/l	94
23) Vinyl Acetate	6.07	43	471651	108.296	ug/l	99
24) 1,1-Dichloroethane	6.03	63	84770	21.968	ug/l	99
25) 2-Butanone	7.00	43	94151	114.084	ug/l	99
26) 2,2-Dichloropropane	6.99	77	82558	22.308	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	60672	21.774	ug/l	99
28) Bromochloromethane	7.34	49	35413	22.355	ug/l	100
29) Tetrahydrofuran	7.36	42	59807	111.411	ug/l	99
30) Chloroform	7.52	83	91216	22.276	ug/l	94
31) Cyclohexane	7.79	56	79007	20.622	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	84285	22.089	ug/l	99
36) 1,1-Dichloropropene	7.92	75	69181	21.414	ug/l	99
37) Ethyl Acetate	7.08	43	40978	23.313	ug/l	99
38) Carbon Tetrachloride	7.91	117	79702	22.208	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	88961	20.891	ug/l	99
40) Benzene	8.17	78	207493	21.736	ug/l	100
41) Methacrylonitrile	7.32	41	18975m	20.094	ug/l	
42) 1,2-Dichloroethane	8.24	62	59585	22.272	ug/l	100
43) Isopropyl Acetate	8.28	43	74125	22.254	ug/l	99
44) Trichloroethene	8.94	130	65272	21.647	ug/l	99
45) 1,2-Dichloropropane	9.22	63	50677	22.137	ug/l	98
46) Dibromomethane	9.31	93	30108	22.145	ug/l	99
47) Bromodichloromethane	9.50	83	72532	22.630	ug/l	96
48) Methyl methacrylate	9.30	41	33218	22.091	ug/l	99
49) 1,4-Dioxane	9.30	88	9146	438.123	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	198221	112.382	ug/l	100
52) Toluene	10.24	92	137464	22.013	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	79279	22.646	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	88673	22.354	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	46896	22.531	ug/l	94
56) Ethyl methacrylate	10.51	69	62713	22.495	ug/l	99
57) 1,3-Dichloropropane	10.79	76	77319	22.585	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	153375	112.591	ug/l	100
59) 2-Hexanone	10.83	43	143703	114.828	ug/l	100
60) Dibromochloromethane	10.99	129	59732	22.636	ug/l	99
61) 1,2-Dibromoethane	11.09	107	46177	22.490	ug/l	99
64) Tetrachloroethene	10.72	164	69877	21.212	ug/l	99
65) Chlorobenzene	11.52	112	156113	21.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	59567	22.078	ug/l	99
67) Ethyl Benzene	11.60	91	270140	21.751	ug/l	98
68) m/p-Xylenes	11.70	106	211005	43.820	ug/l	99
69) o-Xylene	12.03	106	98589	21.688	ug/l	97
70) Styrene	12.04	104	172088	21.838	ug/l	99
71) Bromoform	12.20	173	41082	22.756	ug/l #	99
73) Isopropylbenzene	12.33	105	273734	21.239	ug/l	99
74) N-amyl acetate	12.14	43	71137	21.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	52055	23.020	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	40649m	22.431	ug/l	
77) Bromobenzene	12.61	156	70467	20.998	ug/l	99
78) n-propylbenzene	12.67	91	317100	21.300	ug/l	99
79) 2-Chlorotoluene	12.75	91	176532	21.139	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	231817	21.542	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	20326	21.132	ug/l	97
82) 4-Chlorotoluene	12.86	91	186131	21.273	ug/l	100
83) tert-Butylbenzene	13.08	119	207348	21.601	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	234501	21.672	ug/l	99
85) sec-Butylbenzene	13.25	105	284608	21.685	ug/l	100
86) p-Isopropyltoluene	13.37	119	266895	21.854	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	138172	21.736	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	138080	21.714	ug/l	99
89) n-Butylbenzene	13.70	91	242924	21.909	ug/l	99
90) Hexachloroethane	13.96	117	50119	21.921	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	128242	22.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9544	21.937	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	98346	22.632	ug/l	100
94) Hexachlorobutadiene	15.11	225	55945	22.699	ug/l	99
95) Naphthalene	15.23	128	192548	22.100	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	87935	22.662	ug/l	97

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

