

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071620\
 Data File : VY003204.D
 Acq On : 16 Jul 2020 12:37
 Operator : SY/MD
 Sample : VY0716SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/17/2020 4:43:06 PM

Quant Time: Jul 17 05:43:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	435785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	633942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	575195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	305762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	170788	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
35) Dibromofluoromethane	7.73	113	164261	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	
50) Toluene-d8	10.18	98	614507	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	
62) 4-Bromofluorobenzene	12.48	95	217659	44.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	72145	23.098	ug/l	100
3) Chloromethane	2.12	50	94914	21.908	ug/l	97
4) Vinyl Chloride	2.26	62	94038	21.155	ug/l	100
5) Bromomethane	2.65	94	71444	21.639	ug/l	100
6) Chloroethane	2.79	64	61485	21.059	ug/l	99
7) Trichlorofluoromethane	3.13	101	134608	21.204	ug/l	98
8) Diethyl Ether	3.53	74	43001	20.215	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.91	101	78469	20.467	ug/l	98
10) Methyl Iodide	4.10	142	73699	17.693	ug/l	99
11) Tert butyl alcohol	4.96	59	38209	96.068	ug/l	98
12) 1,1-Dichloroethene	3.88	96	74212	20.465	ug/l	98
13) Acrolein	3.73	56	28528	82.638	ug/l	97
14) Allyl chloride	4.48	41	123610	22.972	ug/l	97
15) Acrylonitrile	5.18	53	102483	100.294	ug/l	99
16) Acetone	3.96	43	86070	104.760	ug/l	97
17) Carbon Disulfide	4.20	76	236823	21.283	ug/l	99
18) Methyl Acetate	4.49	43	47060	20.625	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	202558	19.932	ug/l	99
20) Methylene Chloride	4.72	84	117958	25.885	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	83046	20.247	ug/l	98
22) Diisopropyl ether	6.13	45	263652	22.078	ug/l	98
23) Vinyl Acetate	6.07	43	838743	105.374	ug/l	99
24) 1,1-Dichloroethane	6.02	63	147554	21.327	ug/l	100
25) 2-Butanone	7.00	43	136927	101.504	ug/l	99
26) 2,2-Dichloropropane	6.99	77	134142	21.529	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	89797	19.885	ug/l	95
28) Bromochloromethane	7.34	49	67230	22.444	ug/l	96
29) Tetrahydrofuran	7.35	42	93455	103.126	ug/l	94
30) Chloroform	7.51	83	146750	20.594	ug/l	100
31) Cyclohexane	7.79	56	146416	21.885	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	131576	20.511	ug/l	99
36) 1,1-Dichloropropene	7.93	75	118242	20.580	ug/l	99
37) Ethyl Acetate	7.08	43	64886	20.970	ug/l	95
38) Carbon Tetrachloride	7.91	117	121651	20.509	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	144636	20.039	ug/l	94
40) Benzene	8.16	78	324009	20.480	ug/l	95
41) Methacrylonitrile	7.33	41	39669m	21.287	ug/l	
42) 1,2-Dichloroethane	8.24	62	97298	19.977	ug/l	100
43) Isopropyl Acetate	8.28	43	121503	20.287	ug/l	99
44) Trichloroethene	8.94	130	93061	19.189	ug/l	95
45) 1,2-Dichloropropane	9.22	63	85820	20.964	ug/l	96
46) Dibromomethane	9.31	93	47422	19.834	ug/l	96
47) Bromodichloromethane	9.50	83	115383	20.291	ug/l	99
48) Methyl methacrylate	9.30	41	53169	19.858	ug/l	95
49) 1,4-Dioxane	9.30	88	11664	384.382	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	317193	101.893	ug/l	98
52) Toluene	10.24	92	203065	20.082	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	116497	19.773	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	136230	20.068	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	66078	19.503	ug/l	99
56) Ethyl methacrylate	10.51	69	91632	19.893	ug/l	96
57) 1,3-Dichloropropane	10.79	76	112717	19.621	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	243396	103.611	ug/l	97
59) 2-Hexanone	10.83	43	221740	102.038	ug/l	97
60) Dibromochloromethane	10.99	129	81718	19.177	ug/l	99
61) 1,2-Dibromoethane	11.09	107	62868	18.801	ug/l	99
64) Tetrachloroethene	10.72	164	95619	18.644	ug/l	98
65) Chlorobenzene	11.52	112	220275	19.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	84899	19.727	ug/l	99
67) Ethyl Benzene	11.59	91	398316	20.132	ug/l	100
68) m/p-Xylenes	11.70	106	304744	40.595	ug/l	99
69) o-Xylene	12.03	106	142309	20.292	ug/l	98
70) Styrene	12.04	104	240087	20.012	ug/l	98
71) Bromoform	12.20	173	52314	18.520	ug/l #	98
73) Isopropylbenzene	12.33	105	390459	20.039	ug/l	100
74) N-amyl acetate	12.14	43	112457	20.569	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	75081	19.951	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	52688m	19.467	ug/l	
77) Bromobenzene	12.61	156	98415	19.814	ug/l	99
78) n-propylbenzene	12.67	91	471415	20.525	ug/l	100
79) 2-Chlorotoluene	12.75	91	260912	20.360	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	332448	20.471	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	27634	19.871	ug/l	94
82) 4-Chlorotoluene	12.85	91	274645	20.533	ug/l	100
83) tert-Butylbenzene	13.07	119	291977	20.376	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	333673	20.420	ug/l	99
85) sec-Butylbenzene	13.25	105	405557	20.592	ug/l	99
86) p-Isopropyltoluene	13.37	119	369360	20.085	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	186469	19.853	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	184780	19.871	ug/l	98
89) n-Butylbenzene	13.69	91	366005	21.159	ug/l	99
90) Hexachloroethane	13.96	117	69686	20.808	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	162840	19.756	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10915	17.890	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	113990	19.439	ug/l	98
94) Hexachlorobutadiene	15.11	225	82120	20.438	ug/l	97
95) Naphthalene	15.23	128	169293	17.469	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	84540	18.238	ug/l	98

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

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