

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002378.D
 Acq On : 16 Apr 2020 19:22
 Operator : SY/MD
 Sample : L2271-05MS
 Misc : 4.85G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:52:16 AM

Quant Time: Apr 17 08:21:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	18781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	33814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	26392	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	8095	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	10842	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
35) Dibromofluoromethane	7.74	113	11075	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
50) Toluene-d8	10.19	98	39668	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
62) 4-Bromofluorobenzene	12.49	95	9892	35.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	9798	51.620	ug/l	91
3) Chloromethane	2.12	50	11742	49.153	ug/l	98
4) Vinyl Chloride	2.26	62	11974	47.092	ug/l	97
5) Bromomethane	2.66	94	8417	53.605	ug/l	98
6) Chloroethane	2.82	64	7191	49.038	ug/l	90
7) Trichlorofluoromethane	3.15	101	17001	51.773	ug/l	92
8) Diethyl Ether	3.55	74	9050	64.829	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	11319	50.745	ug/l	96
10) Methyl Iodide	4.11	142	8204	31.642	ug/l	99
11) Tert butyl alcohol	4.97	59	8375	395.979	ug/l #	87
12) 1,1-Dichloroethene	3.89	96	11760	51.857	ug/l	96
13) Acrolein	3.75	56	258	9.581	ug/l #	54
14) Allyl chloride	4.50	41	17100	46.695	ug/l	97
15) Acrylonitrile	5.19	53	20073	281.182	ug/l	100
16) Acetone	3.97	43	15681	285.059	ug/l	95
17) Carbon Disulfide	4.21	76	33430	44.387	ug/l	98
18) Methyl Acetate	4.50	43	42911	251.488	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	37955	63.663	ug/l	93
20) Methylene Chloride	4.74	84	16705	61.783	ug/l	90
21) trans-1,2-Dichloroethene	5.24	96	12744	50.066	ug/l	92
22) Diisopropyl ether	6.14	45	43315	58.775	ug/l #	88
23) Vinyl Acetate	6.14	43	20206	43.024	ug/l #	70
24) 1,1-Dichloroethane	6.04	63	24042	57.355	ug/l	95
25) 2-Butanone	7.01	43	23808	273.481	ug/l	92
26) 2,2-Dichloropropane	7.01	77	16968	48.390	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	15190	54.744	ug/l	96
28) Bromochloromethane	7.36	49	11076	61.210	ug/l	98
29) Tetrahydrofuran	7.37	42	18668	324.403	ug/l	99
30) Chloroform	7.53	83	21832	55.251	ug/l	96
31) Cyclohexane	7.80	56	18266	41.513	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	17555	53.377	ug/l	97
36) 1,1-Dichloropropene	7.94	75	15903	47.748	ug/l	98
37) Ethyl Acetate	7.08	43	1419m	7.458	ug/l	
38) Carbon Tetrachloride	7.92	117	13704	48.102	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	15328	33.832	ug/l	92
40) Benzene	8.18	78	54296	53.731	ug/l	97
41) Methacrylonitrile	7.33	41	4493m	40.029	ug/l	
42) 1,2-Dichloroethane	8.25	62	14269	57.003	ug/l	99
43) Isopropyl Acetate	8.30	43	4344	12.518	ug/l #	61
44) Trichloroethene	8.96	130	16730	56.312	ug/l	92
45) 1,2-Dichloropropane	9.23	63	14772	58.917	ug/l	95
46) Dibromomethane	9.32	93	7635	58.241	ug/l	98
47) Bromodichloromethane	9.51	83	16644	55.333	ug/l	99
48) Methyl methacrylate	9.30	41	10116	65.013	ug/l	95
49) 1,4-Dioxane	9.30	88	3092	1667.385	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	47267	261.399	ug/l	98
52) Toluene	10.26	92	29793	48.922	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	15837	48.323	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	18869	47.889	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	11199	58.350	ug/l	94
56) Ethyl methacrylate	10.52	69	1141	4.165	ug/l #	69
57) 1,3-Dichloropropane	10.80	76	19262	57.098	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	34931	246.248	ug/l	97
59) 2-Hexanone	10.85	43	25776	205.393	ug/l	99
60) Dibromochloromethane	11.00	129	10236	50.016	ug/l	100
61) 1,2-Dibromoethane	11.10	107	9631	52.710	ug/l	98
64) Tetrachloroethene	10.73	164	14607	54.743	ug/l	99
65) Chlorobenzene	11.53	112	26356	48.041	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	10153	56.054	ug/l	96
67) Ethyl Benzene	11.60	91	48285	48.077	ug/l	99
68) m/p-Xylenes	11.71	106	34697	92.238	ug/l	99
69) o-Xylene	12.04	106	17595	49.821	ug/l	97
70) Styrene	12.05	104	26169	42.710	ug/l	99
71) Bromoform	12.22	173	4972	50.477	ug/l #	98
73) Isopropylbenzene	12.34	105	40964	64.414	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	1528	19.859	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	7765m	82.606	ug/l	
77) Bromobenzene	12.62	156	9175	65.576	ug/l	99
78) n-propylbenzene	12.68	91	44423	56.165	ug/l	100
79) 2-Chlorotoluene	12.77	91	25335	58.942	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	30937	58.821	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	2190	45.314	ug/l	90
82) 4-Chlorotoluene	12.86	91	24610	54.627	ug/l	99
83) tert-Butylbenzene	13.09	119	25552	58.000	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	29241	55.676	ug/l	100
85) sec-Butylbenzene	13.27	105	31608	48.163	ug/l	98
86) p-Isopropyltoluene	13.38	119	20400	36.117	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	12730	46.947	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	13144	47.753	ug/l	97
89) n-Butylbenzene	13.70	91	19338	33.401	ug/l	99
90) Hexachloroethane	13.97	117	5038	46.807	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	11955	48.520	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	878	47.182	ug/l	91
93) 1,2,4-Trichlorobenzene	15.02	180	2966	18.417	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.12	225	1758	21.673	ug/l	94
95) Naphthalene	15.25	128	6417	18.198	ug/l	96
96) 1,2,3-Trichlorobenzene	15.44	180	1850	13.229	ug/l	85

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

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