

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002398.D
 Acq On : 17 Apr 2020 14:50
 Operator : SY/MD
 Sample : L2271-06MSD
 Misc : 3.83G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MSD

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 11:41:16 AM

Quant Time: Apr 18 07:05:59 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	49481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	82731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	53851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	12918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	28872	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
35) Dibromofluoromethane	7.74	113	30419	61.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.58%	
50) Toluene-d8	10.19	98	97158	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
62) 4-Bromofluorobenzene	12.49	95	18627	27.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	27800	55.591	ug/l	92
3) Chloromethane	2.12	50	36326	57.717	ug/l	99
4) Vinyl Chloride	2.26	62	37479	55.946	ug/l	99
5) Bromomethane	2.67	94	24998	60.427	ug/l	97
6) Chloroethane	2.81	64	23609	61.108	ug/l	97
7) Trichlorofluoromethane	3.15	101	47141	54.489	ug/l	95
8) Diethyl Ether	3.55	74	26390	71.753	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.93	101	29900	50.879	ug/l	98
10) Methyl Iodide	4.12	142	35826	52.446	ug/l	95
11) Tert butyl alcohol	4.99	59	21152	377.994	ug/l #	93
12) 1,1-Dichloroethene	3.90	96	34083	57.046	ug/l	83
14) Allvl chloride	4.50	41	44108	45.717	ug/l #	91
15) Acrylonitrile	5.19	53	52396	278.582	ug/l	99
16) Acetone	3.97	43	37834	261.050	ug/l	91
17) Carbon Disulfide	4.22	76	84675	42.674	ug/l	95
18) Methyl Acetate	4.50	43	98013	218.028	ug/l	90
19) Methyl tert-butyl Ether	5.25	73	107480	68.427	ug/l	99
20) Methylene Chloride	4.75	84	43461	61.011	ug/l	88
21) trans-1,2-Dichloroethene	5.25	96	33806	50.409	ug/l	94
22) Diisopropyl ether	6.14	45	106445	54.822	ug/l	89
23) Vinyl Acetate	6.14	43	48588	39.269	ug/l #	70
24) 1,1-Dichloroethane	6.05	63	62520	56.611	ug/l	99
25) 2-Butanone	7.01	43	57567	250.991	ug/l	90
26) 2,2-Dichloropropane	7.00	77	48122	52.090	ug/l	96
27) cis-1,2-Dichloroethene	7.01	96	38977	53.317	ug/l	92
28) Bromochloromethane	7.36	49	24535	51.464	ug/l	84
29) Tetrahydrofuran	7.37	42	44945	296.448	ug/l	87
30) Chloroform	7.53	83	57860	55.579	ug/l	100
31) Cyclohexane	7.80	56	41059	35.418	ug/l	90
32) 1,1,1-Trichloroethane	7.72	97	46980	54.218	ug/l	98
36) 1,1-Dichloropropene	7.94	75	36906	45.290	ug/l	95
37) Ethyl Acetate	7.10	43	1870m	4.017	ug/l	
38) Carbon Tetrachloride	7.93	117	36047	51.715	ug/l	93
39) Methylcyclohexane	9.20	83	32669	29.471	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.18	78	138129	55.869	ug/l	99
41) Methacrylonitrile	7.35	41	11775m	42.877	ug/l	
42) 1,2-Dichloroethane	8.25	62	34884	56.959	ug/l	95
43) Isopropyl Acetate	8.29	43	9125	10.748	ug/l #	58
44) Trichloroethene	8.96	130	37063	50.989	ug/l	89
45) 1,2-Dichloropropane	9.23	63	36021	58.720	ug/l	98
46) Dibromomethane	9.32	93	18905	58.942	ug/l	97
47) Bromodichloromethane	9.51	83	41699	56.660	ug/l	94
48) Methyl methacrylate	9.30	41	24067	63.219	ug/l	87
49) 1,4-Dioxane	9.31	88	8343	1838.853	ug/l #	85
51) 4-Methyl-2-Pentanone	10.08	43	111854	252.829	ug/l	93
52) Toluene	10.25	92	71099	47.718	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	35303	44.027	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	44448	46.107	ug/l #	92
55) 1,1,2-Trichloroethane	10.66	97	28994	61.744	ug/l	98
56) Ethyl methacrylate	10.52	69	2614	3.900	ug/l #	75
57) 1,3-Dichloropropane	10.80	76	47637	57.716	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	81727	235.481	ug/l	96
59) 2-Hexanone	10.85	43	62703	204.214	ug/l	91
60) Dibromochloromethane	11.00	129	27562	55.045	ug/l	98
61) 1,2-Dibromoethane	11.10	107	23720	53.060	ug/l	100
64) Tetrachloroethene	10.73	164	32330	59.381	ug/l	94
65) Chlorobenzene	11.52	112	55464	49.548	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	27453	74.281	ug/l	98
67) Ethyl Benzene	11.60	91	109018	53.198	ug/l	99
68) m/p-Xylenes	11.71	106	78507	102.283	ug/l	96
69) o-Xylene	12.03	106	40613	56.360	ug/l	96
70) Stvrene	12.05	104	49507	39.599	ug/l	97
71) Bromoform	12.22	173	13447	66.906	ug/l #	100
73) Isopropylbenzene	12.34	105	118338	116.606	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.59	83	13187	107.400	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	21240m	141.594	ug/l	
77) Bromobenzene	12.62	156	17236	77.196	ug/l	94
78) n-propylbenzene	12.68	91	85778	67.960	ug/l	99
79) 2-Chlorotoluene	12.77	91	46881	68.347	ug/l	96
80) 1,3,5-Trimethylbenzene	12.82	105	63554	75.722	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	7471	96.869	ug/l	95
82) 4-Chlorotoluene	12.86	91	44693	62.166	ug/l	99
83) tert-Butylbenzene	13.08	119	56823	80.826	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	57438	68.532	ug/l	98
85) sec-Butylbenzene	13.26	105	62498	59.676	ug/l	99
86) p-Isopropyltoluene	13.38	119	30395	33.721	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	21980	50.796	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	21295	48.481	ug/l	100
89) n-Butylbenzene	13.70	91	34017	36.818	ug/l	99
90) Hexachloroethane	13.97	117	10635	61.917	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	20893	53.137	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2722	91.662	ug/l	87
93) 1,2,4-Trichlorobenzene	15.02	180	6275	24.416	ug/l	93
94) Hexachlorobutadiene	15.12	225	3561	27.510	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.25	128	15808	28.092	ug/l	98
96) 1,2,3-Trichlorobenzene	15.44	180	4873	21.836	ug/l	99

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

