

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002379.D
 Acq On : 16 Apr 2020 19:44
 Operator : SY/MD
 Sample : L2271-06MSD
 Misc : 3.75G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MSD

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:52:20 AM

Quant Time: Apr 17 08:23:26 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	91041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	149895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	99554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	25592	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	52535	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	7.74	113	56437	63.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.56%	
50) Toluene-d8	10.19	98	188910	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.49	95	36540	29.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	52883	57.474	ug/l	99
3) Chloromethane	2.12	50	69002	59.586	ug/l	99
4) Vinyl Chloride	2.26	62	71037	57.633	ug/l	100
5) Bromomethane	2.66	94	41438	54.441	ug/l	96
6) Chloroethane	2.80	64	43642	61.394	ug/l	98
7) Trichlorofluoromethane	3.14	101	89782	56.403	ug/l	98
8) Diethyl Ether	3.54	74	47734	70.539	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	57553	53.227	ug/l	99
10) Methyl Iodide	4.11	142	57339	45.621	ug/l	97
11) Tert butyl alcohol	4.98	59	39765	387.063	ug/l	100
12) 1,1-Dichloroethene	3.89	96	61183	55.657	ug/l	95
14) Allvl chloride	4.50	41	91884	51.761	ug/l	95
15) Acrylonitrile	5.19	53	87085	251.652	ug/l	98
16) Acetone	3.97	43	66384	248.947	ug/l	91
17) Carbon Disulfide	4.21	76	163489	44.781	ug/l	100
18) Methyl Acetate	4.50	43	158565	191.707	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	201327	69.663	ug/l	100
20) Methylene Chloride	4.74	84	81940	62.518	ug/l	93
21) trans-1,2-Dichloroethene	5.24	96	63056	51.103	ug/l	98
22) Diisopropyl ether	6.14	45	234858	65.742	ug/l #	89
23) Vinyl Acetate	6.14	43	108396	47.614	ug/l #	71
24) 1,1-Dichloroethane	6.04	63	125412	61.719	ug/l	98
25) 2-Butanone	7.01	43	104654	247.994	ug/l	95
26) 2,2-Dichloropropane	7.00	77	91784	53.998	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	72732	54.073	ug/l	97
28) Bromochloromethane	7.36	49	45615	52.003	ug/l	92
29) Tetrahydrofuran	7.36	42	84055	301.323	ug/l	95
30) Chloroform	7.52	83	114923	59.998	ug/l	94
31) Cyclohexane	7.80	56	87886	41.204	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	91634	57.476	ug/l	100
36) 1,1-Dichloropropene	7.94	75	74544	50.489	ug/l	98
37) Ethyl Acetate	7.10	43	4149	4.919	ug/l #	77
38) Carbon Tetrachloride	7.92	117	71843	56.887	ug/l	98
39) Methylcyclohexane	9.19	83	66633	33.177	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.17	78	270162	60.310	ug/l	99
41) Methacrylonitrile	7.34	41	18874m	37.932	ug/l	
42) 1,2-Dichloroethane	8.25	62	64948	58.530	ug/l	96
43) Isopropyl Acetate	8.29	43	18051	11.734	ug/l #	61
44) Trichloroethene	8.96	130	65236	49.534	ug/l	95
45) 1,2-Dichloropropane	9.23	63	71262	64.116	ug/l	97
46) Dibromomethane	9.32	93	33369	57.421	ug/l	98
47) Bromodichloromethane	9.51	83	80848	60.632	ug/l	97
48) Methyl methacrylate	9.30	41	39007	56.552	ug/l	93
49) 1,4-Dioxane	9.31	88	12199	1483.987	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	202732	252.917	ug/l	97
52) Toluene	10.25	92	139461	51.660	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	64696	44.531	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	81536	46.682	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	51466	60.491	ug/l	98
56) Ethyl methacrylate	10.52	69	5529	4.553	ug/l #	77
57) 1,3-Dichloropropane	10.80	76	86382	57.763	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	144803	230.276	ug/l	99
59) 2-Hexanone	10.84	43	104087	187.101	ug/l	95
60) Dibromochloromethane	11.00	129	49250	54.287	ug/l	99
61) 1,2-Dibromoethane	11.10	107	41522	51.264	ug/l	99
64) Tetrachloroethene	10.73	164	59325	58.941	ug/l	96
65) Chlorobenzene	11.53	112	110562	53.426	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	52162	76.344	ug/l	98
67) Ethyl Benzene	11.60	91	218383	57.644	ug/l	99
68) m/p-Xylenes	11.71	106	154127	108.620	ug/l	98
69) o-Xylene	12.04	106	79129	59.399	ug/l	99
70) Stvrene	12.05	104	100624	43.537	ug/l	97
71) Bromoform	12.22	173	24162	65.029	ug/l #	100
73) Isopropylbenzene	12.34	105	193391	96.189	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	32829	134.961	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	40010m	134.632	ug/l	
77) Bromobenzene	12.62	156	34119	77.134	ug/l	94
78) n-propylbenzene	12.68	91	179774	71.895	ug/l	99
79) 2-Chlorotoluene	12.77	91	99726	73.387	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	132198	79.505	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	13096	85.711	ug/l	98
82) 4-Chlorotoluene	12.86	91	87826	61.664	ug/l	100
83) tert-Butylbenzene	13.08	119	111914	80.353	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	120429	72.530	ug/l	98
85) sec-Butylbenzene	13.27	105	124799	60.150	ug/l	100
86) p-Isopropyltoluene	13.38	119	38978	21.828	ug/l	95
87) 1,3-Dichlorobenzene	13.38	146	44217	51.580	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	44194	50.787	ug/l	99
89) n-Butylbenzene	13.70	91	65345	35.700	ug/l	99
90) Hexachloroethane	13.97	117	21558	63.354	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	43078	55.302	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5513	93.709	ug/l	92
93) 1,2,4-Trichlorobenzene	15.02	180	13089	25.707	ug/l	98
94) Hexachlorobutadiene	15.12	225	6102	23.795	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.25	128	36642	32.868	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	11430	25.854	ug/l	96

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

