

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070120\
 Data File : VY003054.D
 Acq On : 01 Jul 2020 13:14
 Operator : SY/MD
 Sample : VY0701SBSD01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0701SBSD01

Manual Integrations
 APPROVED

sam
 7/2/2020 4:48:52 PM

Quant Time: Jul 01 20:10:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	435820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	638329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	583303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	309796	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	209522	48.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.80%	
35) Dibromofluoromethane	7.72	113	200501	50.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.70%	
50) Toluene-d8	10.18	98	738560	49.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.48	95	259307	49.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	63798	19.329	ug/l	100
3) Chloromethane	2.12	50	85748	17.741	ug/l	100
4) Vinyl Chloride	2.26	62	97382	20.655	ug/l	97
5) Bromomethane	2.65	94	70754	22.103	ug/l	98
6) Chloroethane	2.79	64	65217	21.745	ug/l	94
7) Trichlorofluoromethane	3.13	101	143629	21.584	ug/l	99
8) Diethyl Ether	3.53	74	46593	20.425	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	85614	21.548	ug/l	99
10) Methyl Iodide	4.10	142	101270	20.555	ug/l	100
11) Tert butyl alcohol	4.96	59	54056	122.539	ug/l #	87
12) 1,1-Dichloroethene	3.88	96	78656	20.806	ug/l	95
13) Acrolein	3.74	56	37998	95.906	ug/l	99
14) Allyl chloride	4.49	41	128910	19.530	ug/l	97
15) Acrylonitrile	5.18	53	118860	101.098	ug/l	98
16) Acetone	3.96	43	102023	99.936	ug/l	98
17) Carbon Disulfide	4.20	76	247297	20.474	ug/l	98
18) Methyl Acetate	4.49	43	51106	18.581	ug/l	94
19) Methyl tert-butyl Ether	5.23	73	230832	20.948	ug/l	98
20) Methylene Chloride	4.72	84	117165	21.786	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	89673	20.970	ug/l	91
22) Diisopropyl ether	6.13	45	282702	19.983	ug/l	93
23) Vinyl Acetate	6.07	43	940618	99.451	ug/l	99
24) 1,1-Dichloroethane	6.02	63	159496	20.639	ug/l	98
25) 2-Butanone	7.00	43	165928	102.319	ug/l	99
26) 2,2-Dichloropropane	6.99	77	150252	21.400	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	102510	21.373	ug/l	98
28) Bromochloromethane	7.34	49	65009	18.907	ug/l	93
29) Tetrahydrofuran	7.35	42	105003	97.367	ug/l	96
30) Chloroform	7.52	83	160559	20.972	ug/l	99
31) Cyclohexane	7.79	56	154565	20.303	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	144982	20.747	ug/l	100
36) 1,1-Dichloropropene	7.93	75	125693	20.442	ug/l	97
37) Ethyl Acetate	7.08	43	74736	20.216	ug/l	98
38) Carbon Tetrachloride	7.91	117	133819	20.918	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	160721	21.082	ug/l	98
40) Benzene	8.16	78	354810	21.078	ug/l	97
41) Methacrylonitrile	7.33	41	43240m	21.896	ug/l	
42) 1,2-Dichloroethane	8.24	62	110660	20.780	ug/l	99
43) Isopropyl Acetate	8.28	43	138493	19.706	ug/l	97
44) Trichloroethene	8.94	130	104761	21.412	ug/l	99
45) 1,2-Dichloropropane	9.22	63	93197	20.579	ug/l	96
46) Dibromomethane	9.31	93	52288	20.672	ug/l	99
47) Bromodichloromethane	9.50	83	130853	21.127	ug/l	97
48) Methyl methacrylate	9.30	41	62226	19.452	ug/l	95
49) 1,4-Dioxane	9.30	88	12971	420.095	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	379228	104.400	ug/l	99
52) Toluene	10.24	92	226884	21.411	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	132655	20.429	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	152623	20.552	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	76258	21.696	ug/l	98
56) Ethyl methacrylate	10.51	69	105324	20.701	ug/l	97
57) 1,3-Dichloropropane	10.79	76	126228	20.457	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	236174	90.507	ug/l	100
59) 2-Hexanone	10.83	43	255938	100.804	ug/l	99
60) Dibromochloromethane	10.99	129	95840	21.307	ug/l	99
61) 1,2-Dibromoethane	11.09	107	72354	20.881	ug/l	99
64) Tetrachloroethene	10.72	164	105748	21.421	ug/l	96
65) Chlorobenzene	11.52	112	244059	21.220	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	95099	21.178	ug/l	99
67) Ethyl Benzene	11.59	91	445877	21.190	ug/l	99
68) m/p-Xylenes	11.70	106	331896	42.381	ug/l	99
69) o-Xylene	12.03	106	156018	21.142	ug/l	99
70) Styrene	12.04	104	267041	21.182	ug/l	99
71) Bromoform	12.20	173	63437	21.186	ug/l	99
73) Isopropylbenzene	12.33	105	429813	21.199	ug/l	100
74) N-amyl acetate	12.14	43	130433	19.761	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	87412	21.364	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	64002m	20.875	ug/l	
77) Bromobenzene	12.61	156	107794	20.736	ug/l	98
78) n-propylbenzene	12.67	91	518634	21.270	ug/l	100
79) 2-Chlorotoluene	12.75	91	286511	21.051	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	362868	21.328	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	31637	20.076	ug/l	95
82) 4-Chlorotoluene	12.85	91	300386	21.198	ug/l	100
83) tert-Butylbenzene	13.08	119	318470	21.318	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	361863	21.108	ug/l	99
85) sec-Butylbenzene	13.25	105	438207	21.281	ug/l	99
86) p-Isopropyltoluene	13.37	119	403729	21.159	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	205338	21.157	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	202584	21.168	ug/l	98
89) n-Butylbenzene	13.69	91	388504	21.281	ug/l	99
90) Hexachloroethane	13.96	117	80632	21.282	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	186815	21.454	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14874	20.536	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	139143	21.504	ug/l	99
94) Hexachlorobutadiene	15.11	225	88842	21.768	ug/l	97
95) Naphthalene	15.23	128	252973	21.405	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	121004	21.537	ug/l	100

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

