

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021523\
 Data File : VY012605.D
 Acq On : 15 Feb 2023 11:21
 Operator : KP/MD
 Sample : VY0215SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0215SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

Quant Time: Feb 16 00:51:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	128244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	184904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	172479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	96037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	84714	51.947	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.900%			
35) Dibromofluoromethane	7.716	113	75014	55.707	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.420%			
50) Toluene-d8	10.179	98	302127	53.904	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.800%			
62) 4-Bromofluorobenzene	12.477	95	104559	53.483	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21993	22.316	ug/l	98
3) Chloromethane	2.113	50	19523	19.539	ug/l	97
4) Vinyl Chloride	2.253	62	25352	20.365	ug/l	94
5) Bromomethane	2.644	94	19548	19.766	ug/l	91
6) Chloroethane	2.790	64	19273	22.243	ug/l	94
7) Trichlorofluoromethane	3.125	101	54880	21.448	ug/l	94
8) Diethyl Ether	3.528	74	15838	20.874	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	27640	21.392	ug/l	99
10) Methyl Iodide	4.088	142	29803	17.792	ug/l	99
11) Tert butyl alcohol	4.948	59	26912	167.944	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	25710	20.138	ug/l	89
13) Acrolein	3.723	56	15858	82.717	ug/l	100
14) Allyl chloride	4.479	41	28944	18.594	ug/l	99
15) Acrylonitrile	5.168	53	37814	108.027	ug/l	100
16) Acetone	3.942	43	40175	102.356	ug/l	99
17) Carbon Disulfide	4.192	76	61807	18.665	ug/l	98
18) Methyl Acetate	4.473	43	19055	20.198	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	79303	21.228	ug/l	99
20) Methylene Chloride	4.710	84	34710	21.247	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	28277	20.309	ug/l	96
22) Diisopropyl ether	6.112	45	66115	20.888	ug/l	94
23) Vinyl Acetate	6.058	43	197092	103.291	ug/l	97
24) 1,1-Dichloroethane	6.015	63	45752	20.220	ug/l	98
25) 2-Butanone	6.978	43	45847	105.278	ug/l	99
26) 2,2-Dichloropropane	6.978	77	52003	20.918	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	33486	20.724	ug/l	100
28) Bromochloromethane	7.326	49	16748	20.362	ug/l	96
29) Tetrahydrofuran	7.344	42	25086	106.553	ug/l	97
30) Chloroform	7.502	83	57657	21.135	ug/l	99
31) Cyclohexane	7.783	56	36247	19.224	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	56293	21.264	ug/l	98
36) 1,1-Dichloropropene	7.917	75	37533	20.595	ug/l	98
37) Ethyl Acetate	7.070	43	18179	22.106	ug/l	99
38) Carbon Tetrachloride	7.899	117	53424	21.838	ug/l	96
39) Methylcyclohexane	9.179	83	44470	20.278	ug/l	99
40) Benzene	8.161	78	114894	21.345	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	9704m	21.539	ug/l	
42) 1,2-Dichloroethane	8.234	62	38650	22.153	ug/l	99
43) Isopropyl Acetate	8.271	43	33276	21.824	ug/l	99
44) Trichloroethene	8.935	130	34687	21.169	ug/l	98
45) 1,2-Dichloropropane	9.216	63	24769	21.221	ug/l	97
46) Dibromomethane	9.301	93	16866	21.823	ug/l	99
47) Bromodichloromethane	9.496	83	43212	21.564	ug/l	93
48) Methyl methacrylate	9.289	41	14708	21.104	ug/l	94
49) 1,4-Dioxane	9.295	88	4908	460.035	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	92814	112.826	ug/l	100
52) Toluene	10.240	92	78374	21.471	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	42867	21.229	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	46119	21.106	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	25663	22.725	ug/l	95
56) Ethyl methacrylate	10.508	69	31822	22.429	ug/l	95
57) 1,3-Dichloropropane	10.788	76	39719	21.793	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	74931	117.500	ug/l	97
59) 2-Hexanone	10.831	43	68937	110.889	ug/l	98
60) Dibromochloromethane	10.984	129	33644	22.350	ug/l	97
61) 1,2-Dibromoethane	11.087	107	23582	22.287	ug/l	97
64) Tetrachloroethene	10.721	164	32039	17.793	ug/l	96
65) Chlorobenzene	11.514	112	87688	21.435	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	35710	22.275	ug/l	98
67) Ethyl Benzene	11.593	91	154565	21.521	ug/l	99
68) m/p-Xylenes	11.703	106	124127	43.299	ug/l	99
69) o-Xylene	12.026	106	59751	21.886	ug/l	98
70) Styrene	12.044	104	100840	21.779	ug/l	99
71) Bromoform	12.209	173	23577	23.268	ug/l #	99
73) Isopropylbenzene	12.331	105	162916	20.967	ug/l	99
74) N-amyl acetate	12.142	43	28816	20.487	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	29749	23.679	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	22963m	21.402	ug/l	
77) Bromobenzene	12.605	156	40247	21.371	ug/l	96
78) n-propylbenzene	12.672	91	189278	21.165	ug/l	100
79) 2-Chlorotoluene	12.758	91	105747	20.829	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	142294	21.274	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	8619	18.115	ug/l	96
82) 4-Chlorotoluene	12.855	91	113110	21.239	ug/l	100
83) tert-Butylbenzene	13.075	119	127218	21.689	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	141717	21.533	ug/l	99
85) sec-Butylbenzene	13.251	105	180006	21.452	ug/l	100
86) p-Isopropyltoluene	13.367	119	158178	21.729	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	81282	21.692	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	80049	21.327	ug/l	98
89) n-Butylbenzene	13.697	91	132516	21.300	ug/l	99
90) Hexachloroethane	13.959	117	27598	20.655	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	73975	21.945	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5616	22.462	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	45216	21.649	ug/l	100
94) Hexachlorobutadiene	15.111	225	29156	22.471	ug/l	97
95) Naphthalene	15.233	128	87508	21.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	39454	21.823	ug/l	99

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

