

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030823\
 Data File : VY012863.D
 Acq On : 08 Mar 2023 12:08
 Operator : KP/MD
 Sample : VY0308SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0308SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

03/09/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Mar 09 00:33:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	101583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	154778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	139882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	72845	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	47843	47.436	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.880%
35) Dibromofluoromethane	7.716	113	45682	48.906	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.820%
50) Toluene-d8	10.179	98	158255	46.344	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.680%
62) 4-Bromofluorobenzene	12.483	95	56378	48.914	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.820%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22858	22.829	ug/l	99
3) Chloromethane	2.113	50	25483	21.289	ug/l	98
4) Vinyl Chloride	2.253	62	24630	22.439	ug/l	100
5) Bromomethane	2.637	94	14487	21.721	ug/l	93
6) Chloroethane	2.790	64	14883	22.640	ug/l	95
7) Trichlorofluoromethane	3.125	101	40969	22.473	ug/l	98
8) Diethyl Ether	3.533	74	14263	22.326	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	23531	21.454	ug/l	96
10) Methyl Iodide	4.094	142	30948	21.655	ug/l	99
11) Tert butyl alcohol	4.942	59	16461	132.438	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	22617	21.621	ug/l	96
13) Acrolein	3.729	56	17518	99.138	ug/l	100
14) Allyl chloride	4.485	41	36279	18.775	ug/l	97
15) Acrylonitrile	5.161	53	37703	112.007	ug/l	100
16) Acetone	3.948	43	41955	105.980	ug/l	99
17) Carbon Disulfide	4.192	76	75446	21.189	ug/l	99
18) Methyl Acetate	4.478	43	24436	20.728	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	58856	21.783	ug/l	99
20) Methylene Chloride	4.710	84	30936	22.672	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	25412	22.354	ug/l	95
22) Diisopropyl ether	6.112	45	75175	21.420	ug/l	92
23) Vinyl Acetate	6.057	43	233317	106.993	ug/l	98
24) 1,1-Dichloroethane	6.015	63	42592	21.297	ug/l	99
25) 2-Butanone	6.984	43	53831	109.786	ug/l	95
26) 2,2-Dichloropropane	6.978	77	37935	21.357	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	27489	22.555	ug/l	96
28) Bromochloromethane	7.338	49	15894	21.747	ug/l	95
29) Tetrahydrofuran	7.350	42	32528	109.993	ug/l	96
30) Chloroform	7.502	83	44327	22.439	ug/l	98
31) Cyclohexane	7.783	56	38455	19.908	ug/l	91
32) 1,1,1-Trichloroethane	7.703	97	39396	22.053	ug/l	99
36) 1,1-Dichloropropene	7.917	75	34293	21.908	ug/l	99
37) Ethyl Acetate	7.076	43	22530	22.836	ug/l	99
38) Carbon Tetrachloride	7.899	117	36304	22.459	ug/l	99
39) Methylcyclohexane	9.185	83	38265	20.562	ug/l	97
40) Benzene	8.161	78	98801	22.313	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	13034m	24.521	ug/l	
42) 1,2-Dichloroethane	8.240	62	30394	22.832	ug/l	100
43) Isopropyl Acetate	8.270	43	38559	21.906	ug/l	97
44) Trichloroethene	8.941	130	26158	22.407	ug/l	99
45) 1,2-Dichloropropane	9.215	63	24255	21.675	ug/l	98
46) Dibromomethane	9.307	93	14902	23.375	ug/l	96
47) Bromodichloromethane	9.496	83	33946	22.596	ug/l	98
48) Methyl methacrylate	9.295	41	17643	21.753	ug/l	95
49) 1,4-Dioxane	9.301	88	4154	504.034	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	109055	114.217	ug/l	99
52) Toluene	10.246	92	60876	22.797	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	36001	22.846	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	39670	22.242	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	21052	23.711	ug/l	97
56) Ethyl methacrylate	10.508	69	27104	22.895	ug/l	97
57) 1,3-Dichloropropane	10.788	76	35280	23.330	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	69362	111.611	ug/l	99
59) 2-Hexanone	10.831	43	79569	114.664	ug/l	99
60) Dibromochloromethane	10.983	129	25244	23.358	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20567	24.048	ug/l	97
64) Tetrachloroethene	10.721	164	22660	22.250	ug/l	97
65) Chlorobenzene	11.520	112	66410	22.621	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.593	131	25359	23.344	ug/l	97
67) Ethyl Benzene	11.593	91	114319	22.148	ug/l	100
68) m/p-Xylenes	11.703	106	90890	45.774	ug/l	98
69) o-Xylene	12.032	106	40822	22.028	ug/l	99
70) Styrene	12.044	104	70679	22.855	ug/l	100
71) Bromoform	12.209	173	16996	23.996	ug/l #	96
73) Isopropylbenzene	12.331	105	109550	21.220	ug/l	100
74) N-amyl acetate	12.142	43	33063	20.355	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	26633	22.949	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	17025m	19.572	ug/l	
77) Bromobenzene	12.611	156	28109	22.413	ug/l	96
78) n-propylbenzene	12.672	91	136744	21.484	ug/l	100
79) 2-Chlorotoluene	12.757	91	77272	21.844	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	92308	21.666	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	9117	21.716	ug/l	97
82) 4-Chlorotoluene	12.855	91	80255	21.916	ug/l	98
83) tert-Butylbenzene	13.074	119	78615	21.378	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	91518	21.967	ug/l	99
85) sec-Butylbenzene	13.251	105	121684	21.691	ug/l	100
86) p-Isopropyltoluene	13.367	119	99172	21.630	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	55015	22.744	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	54208	21.958	ug/l	97
89) n-Butylbenzene	13.696	91	92312	21.031	ug/l	100
90) Hexachloroethane	13.958	117	20702	21.679	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	49427	22.605	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4361	23.252	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	28767	21.368	ug/l	99
94) Hexachlorobutadiene	15.111	225	17346	21.125	ug/l	97
95) Naphthalene	15.239	128	57046	21.145	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	25963	21.684	ug/l	99

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

