

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014230.D
 Acq On : 19 Jun 2023 15:46
 Operator : KP/MD
 Sample : VY0619SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2023
 Supervised By : Mahesh Dadoda 06/20/2023

Quant Time: Jun 19 17:03:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.782	168	215689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	312722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	295475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	132542	44.129	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.260%		
35) Dibromofluoromethane	7.709	113	115529	52.093	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.180%		
50) Toluene-d8	10.178	98	398980	48.120	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.240%		
62) 4-Bromofluorobenzene	12.477	95	157957	53.630	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	107.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	48714	20.265	ug/l	94
3) Chloromethane	2.107	50	51880	17.021	ug/l	97
4) Vinyl Chloride	2.247	62	53909	18.192	ug/l	99
5) Bromomethane	2.631	94	40046	16.379	ug/l	93
6) Chloroethane	2.777	64	33035	16.406	ug/l	99
7) Trichlorofluoromethane	3.113	101	95490	19.835	ug/l	98
8) Diethyl Ether	3.521	74	28889	17.971	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.887	101	49630	20.427	ug/l	98
10) Methyl Iodide	4.082	142	52381	16.327	ug/l	98
11) Tert butyl alcohol	4.948	59	31469	76.264	ug/l #	81
12) 1,1-Dichloroethene	3.862	96	45091	18.310	ug/l	97
13) Acrolein	3.722	56	17741	106.338	ug/l	94
14) Allyl chloride	4.472	41	78309	17.542	ug/l	99
15) Acrylonitrile	5.155	53	76411	92.155	ug/l	99
16) Acetone	3.942	43	75918	83.855	ug/l	97
17) Carbon Disulfide	4.186	76	127802	16.015	ug/l	99
18) Methyl Acetate	4.478	43	62666	17.833	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	127882	17.607	ug/l	98
20) Methylene Chloride	4.704	84	86070	28.216	ug/l	94
21) trans-1,2-Dichloroethene	5.210	96	48654	17.713	ug/l	93
22) Diisopropyl ether	6.112	45	149615	17.505	ug/l	96
23) Vinyl Acetate	6.051	43	433426	85.948	ug/l	100
24) 1,1-Dichloroethane	6.008	63	87516	17.759	ug/l	96
25) 2-Butanone	6.978	43	106125	95.227	ug/l	95
26) 2,2-Dichloropropane	6.972	77	90727	19.602	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	54330	17.682	ug/l	97
28) Bromochloromethane	7.331	49	35551	17.740	ug/l	95
29) Tetrahydrofuran	7.344	42	64822	91.727	ug/l	98
30) Chloroform	7.502	83	94176	18.014	ug/l	93
31) Cyclohexane	7.776	56	75829	18.847	ug/l #	91
32) 1,1,1-Trichloroethane	7.697	97	89406	18.961	ug/l	99
36) 1,1-Dichloropropene	7.910	75	66627	19.270	ug/l	98
37) Ethyl Acetate	7.069	43	44968	18.850	ug/l	98
38) Carbon Tetrachloride	7.892	117	84309	21.131	ug/l	99
39) Methylcyclohexane	9.179	83	76664	19.985	ug/l	99
40) Benzene	8.154	78	196511	19.114	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	21322m	17.513	ug/l	
42) 1,2-Dichloroethane	8.234	62	69739	19.182	ug/l	98
43) Isopropyl Acetate	8.264	43	79871	19.102	ug/l	98
44) Trichloroethene	8.935	130	56334	20.508	ug/l	92
45) 1,2-Dichloropropane	9.215	63	47994	18.378	ug/l	100
46) Dibromomethane	9.300	93	29925	18.616	ug/l	99
47) Bromodichloromethane	9.496	83	73880	19.629	ug/l	99
48) Methyl methacrylate	9.288	41	37294	19.123	ug/l	98
49) 1,4-Dioxane	9.288	88	7791	381.434	ug/l #	43
51) 4-Methyl-2-Pentanone	10.069	43	223863	98.548	ug/l	99
52) Toluene	10.239	92	125568	19.702	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	74103	18.702	ug/l	100
54) cis-1,3-Dichloropropene	9.922	75	80886	18.710	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	42611	19.985	ug/l	97
56) Ethyl methacrylate	10.508	69	55523	18.880	ug/l	95
57) 1,3-Dichloropropane	10.788	76	70269	19.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	77789	81.038	ug/l	98
59) 2-Hexanone	10.831	43	161567	98.475	ug/l	99
60) Dibromochloromethane	10.977	129	53714	19.683	ug/l	98
61) 1,2-Dibromoethane	11.087	107	40655	19.321	ug/l	99
64) Tetrachloroethene	10.715	164	59285	23.540	ug/l	98
65) Chlorobenzene	11.514	112	136079	19.167	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	53513	19.163	ug/l	99
67) Ethyl Benzene	11.587	91	239379	19.262	ug/l	99
68) m/p-Xylenes	11.696	106	187390	39.202	ug/l	99
69) o-Xylene	12.026	106	88374	19.555	ug/l	100
70) Styrene	12.038	104	152548	19.777	ug/l	99
71) Bromoform	12.202	173	37936	19.836	ug/l	98
73) Isopropylbenzene	12.324	105	240696	18.681	ug/l	100
74) N-amyl acetate	12.141	43	71633	17.544	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.580	83	50574	17.566	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	36340m	16.400	ug/l	
77) Bromobenzene	12.605	156	60788	17.950	ug/l	96
78) n-propylbenzene	12.666	91	295223	18.759	ug/l	98
79) 2-Chlorotoluene	12.751	91	166324	18.368	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	207832	18.838	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	18592	18.136	ug/l	99
82) 4-Chlorotoluene	12.849	91	171967	17.921	ug/l	97
83) tert-Butylbenzene	13.068	119	179576	19.154	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	203710	18.653	ug/l	99
85) sec-Butylbenzene	13.251	105	267009	19.589	ug/l	100
86) p-Isopropyltoluene	13.367	119	224140	19.214	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	120091	18.573	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	121779	18.693	ug/l	99
89) n-Butylbenzene	13.696	91	212905	19.677	ug/l	99
90) Hexachloroethane	13.958	117	44274	19.046	ug/l	95
91) 1,2-Dichlorobenzene	13.733	146	109603	18.874	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.354	75	9998	18.236	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	69360	18.854	ug/l	99
94) Hexachlorobutadiene	15.110	225	46350	21.824	ug/l	96
95) Naphthalene	15.232	128	133329	17.856	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	61568	18.521	ug/l	98

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

