

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063023\
 Data File : VY014515.D
 Acq On : 30 Jun 2023 14:26
 Operator : KP/MD
 Sample : VSTDIC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

Quant Time: Jun 30 18:47:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 15:18:08 2023
 Response via : Initial Calibration

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

Internal Standards						07/03/2023
1) Pentafluorobenzene	7.783	168	415854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	613595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	568229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	305688	50.000	ug/l	0.00
System Monitoring Compounds						07/03/2023
33) 1,2-Dichloroethane-d4	8.136	65	392008	94.760	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 189.520%#	
35) Dibromofluoromethane	7.709	113	375289	99.321	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 198.640%#	
50) Toluene-d8	10.178	98	1435759	96.121	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 192.240%#	
62) 4-Bromofluorobenzene	12.477	95	507530	97.851	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 195.700%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.899	85	287507	99.883	ug/l	97
3) Chloromethane	2.107	50	428611	88.994	ug/l	98
4) Vinyl Chloride	2.247	62	511049	92.058	ug/l	97
5) Bromomethane	2.619	94	377666	87.735	ug/l	99
6) Chloroethane	2.777	64	334884	93.688	ug/l	99
7) Trichlorofluoromethane	3.113	101	629927	93.430	ug/l	99
8) Diethyl Ether	3.521	74	243584	95.415	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.887	101	373727	92.822	ug/l	98
10) Methyl Iodide	4.082	142	500311	108.892	ug/l	92
11) Tert butyl alcohol	4.954	59	339790	492.800	ug/l #	83
12) 1,1-Dichloroethene	3.863	96	375047	96.154	ug/l	86
13) Acrolein	3.722	56	270125	493.389	ug/l	100
14) Allyl chloride	4.466	41	579767	98.616	ug/l	87
15) Acrylonitrile	5.155	53	748457	510.708	ug/l	98
16) Acetone	3.942	43	617432	477.925	ug/l #	86
17) Carbon Disulfide	4.180	76	1134688	95.461	ug/l	99
18) Methyl Acetate	4.472	43	582170	98.993	ug/l #	91
19) Methyl tert-butyl Ether	5.210	73	1143565	102.011	ug/l	100
20) Methylene Chloride	4.704	84	442288	99.998	ug/l	87
21) trans-1,2-Dichloroethene	5.210	96	426621	96.628	ug/l	93
22) Diisopropyl ether	6.112	45	1198269	98.916	ug/l #	88
23) Vinyl Acetate	6.051	43	3677707	524.737	ug/l #	93
24) 1,1-Dichloroethane	6.008	63	724105	95.216	ug/l	99
25) 2-Butanone	6.978	43	970526	507.359	ug/l	91
26) 2,2-Dichloropropane	6.972	77	598093	92.269	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	489861	97.809	ug/l	90
28) Bromochloromethane	7.325	49	298084	93.347	ug/l #	82
29) Tetrahydrofuran	7.344	42	645383	523.061	ug/l #	86
30) Chloroform	7.502	83	747188	94.187	ug/l	96
31) Cyclohexane	7.776	56	601954	92.748	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	644627	95.065	ug/l	96
36) 1,1-Dichloropropene	7.911	75	562480	97.206	ug/l	97
37) Ethyl Acetate	7.069	43	412009	103.824	ug/l #	92
38) Carbon Tetrachloride	7.892	117	585470	96.923	ug/l	99
39) Methylcyclohexane	9.179	83	704522	101.861	ug/l	95
40) Benzene	8.154	78	1692575	96.631	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	202285m	101.611	ug/l	
42) 1,2-Dichloroethane	8.234	62	494283	96.007	ug/l	
43) Isopropyl Acetate	8.270	43	695140	103.366	ug/l #	
44) Trichloroethene	8.935	130	470654	96.382	ug/l	
45) 1,2-Dichloropropane	9.209	63	430613	95.831	ug/l	
46) Dibromomethane	9.301	93	267495	97.784	ug/l	
47) Bromodichloromethane	9.496	83	585249	97.099	ug/l	
48) Methyl methacrylate	9.288	41	321999	105.290	ug/l #	
49) 1,4-Dioxane	9.294	88	105875	2167.423	ug/l #	
51) 4-Methyl-2-Pentanone	10.069	43	2074639	521.081	ug/l	
52) Toluene	10.239	92	1084786	98.415	ug/l	
53) t-1,3-Dichloropropene	10.459	75	651294	101.046	ug/l	
54) cis-1,3-Dichloropropene	9.922	75	710206	98.757	ug/l #	
55) 1,1,2-Trichloroethane	10.642	97	386897	97.199	ug/l	
56) Ethyl methacrylate	10.508	69	581894	107.466	ug/l #	
57) 1,3-Dichloropropane	10.788	76	641516	98.912	ug/l	
58) 2-Chloroethyl Vinyl ether	9.776	63	1423515	542.675	ug/l	
59) 2-Hexanone	10.831	43	1534399	533.516	ug/l	
60) Dibromochloromethane	10.983	129	465184	99.736	ug/l	
61) 1,2-Dibromoethane	11.087	107	389789	100.304	ug/l	
64) Tetrachloroethene	10.715	164	470046	92.536	ug/l	
65) Chlorobenzene	11.514	112	1177974	97.277	ug/l	
66) 1,1,1,2-Tetrachloroethane	11.587	131	453082	98.442	ug/l	
67) Ethyl Benzene	11.587	91	2087585	101.092	ug/l	
68) m/p-Xylenes	11.697	106	1650943	201.548	ug/l	
69) o-Xylene	12.026	106	796904	102.573	ug/l	
70) Styrene	12.038	104	1379365	103.194	ug/l	
71) Bromoform	12.203	173	356666	102.003	ug/l	
73) Isopropylbenzene	12.324	105	2026444	101.219	ug/l	
74) N-amyl acetate	12.142	43	631531	104.518	ug/l #	
75) 1,1,2,2-Tetrachloroethane	12.581	83	513126	99.876	ug/l	
76) 1,2,3-Trichloropropane	12.629	75	358322m	99.366	ug/l	
77) Bromobenzene	12.605	156	546425	99.929	ug/l	
78) n-propylbenzene	12.666	91	2448106	100.244	ug/l	
79) 2-Chlorotoluene	12.751	91	1388922	98.824	ug/l	
80) 1,3,5-Trimethylbenzene	12.812	105	1711730	100.995	ug/l	
81) trans-1,4-Dichloro-2-b...	12.373	75	191965	104.162	ug/l #	
82) 4-Chlorotoluene	12.849	91	1448921	98.405	ug/l	
83) tert-Butylbenzene	13.074	119	1519708	102.026	ug/l	
84) 1,2,4-Trimethylbenzene	13.117	105	1713342	101.306	ug/l	
85) sec-Butylbenzene	13.251	105	2216394	100.836	ug/l	
86) p-Isopropyltoluene	13.367	119	1888924	102.118	ug/l	
87) 1,3-Dichlorobenzene	13.361	146	1047188	97.947	ug/l	
88) 1,4-Dichlorobenzene	13.446	146	1038111	96.887	ug/l	
89) n-Butylbenzene	13.696	91	1734210	101.448	ug/l	
90) Hexachloroethane	13.958	117	354537	96.760	ug/l	
91) 1,2-Dichlorobenzene	13.733	146	951780	98.280	ug/l	
92) 1,2-Dibromo-3-Chloropr...	14.355	75	95793	101.842	ug/l	
93) 1,2,4-Trichlorobenzene	15.001	180	656666	104.981	ug/l	
94) Hexachlorobutadiene	15.111	225	384165	99.929	ug/l	
95) Naphthalene	15.232	128	1510105	113.473	ug/l	
96) 1,2,3-Trichlorobenzene	15.421	180	602028	105.631	ug/l	

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

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