

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015164.D
 Acq On : 17 Aug 2023 12:06
 Operator : SY/MD
 Sample : VY0817SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0817SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/18/2023
 Supervised By :Mahesh Dadoda 08/18/2023

Quant Time: Aug 18 00:51:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	186664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	301978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	269574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	115699	51.635	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.260%			
35) Dibromofluoromethane	7.710	113	102631	52.828	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.660%			
50) Toluene-d8	10.179	98	378862	52.387	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.780%			
62) 4-Bromofluorobenzene	12.477	95	133057	50.373	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	18321	19.891	ug/l	98
3) Chloromethane	2.113	50	23492	18.682	ug/l	100
4) Vinyl Chloride	2.247	62	29729	20.015	ug/l	99
5) Bromomethane	2.619	94	24341	21.295	ug/l	96
6) Chloroethane	2.778	64	22380	20.753	ug/l	99
7) Trichlorofluoromethane	3.113	101	51777	20.687	ug/l	95
8) Diethyl Ether	3.521	74	19919	20.293	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.887	101	31594	20.311	ug/l	95
10) Methyl Iodide	4.076	142	25380	16.617	ug/l	98
11) Tert butyl alcohol	4.936	59	64199	168.759	ug/l #	89
12) 1,1-Dichloroethene	3.863	96	25645	19.744	ug/l	91
13) Acrolein	3.723	56	22957	137.314	ug/l	99
14) Allyl chloride	4.472	41	45962	19.958	ug/l	97
15) Acrylonitrile	5.155	53	68519	103.006	ug/l	99
16) Acetone	3.948	43	73923	100.986	ug/l	95
17) Carbon Disulfide	4.186	76	39159	17.131	ug/l	98
18) Methyl Acetate	4.472	43	53941	20.108	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	109102	19.755	ug/l	100
20) Methylene Chloride	4.704	84	44472	23.006	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	28614	19.530	ug/l	97
22) Diisopropyl ether	6.112	45	115913	20.172	ug/l	95
23) Vinyl Acetate	6.051	43	336924	98.264	ug/l	95
24) 1,1-Dichloroethane	6.009	63	64327	20.677	ug/l	97
25) 2-Butanone	6.984	43	107024	103.260	ug/l	100
26) 2,2-Dichloropropane	6.978	77	57802	19.274	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	40482	20.227	ug/l	97
28) Bromochloromethane	7.326	49	31165	21.805	ug/l	95
29) Tetrahydrofuran	7.344	42	61891	99.866	ug/l	94
30) Chloroform	7.502	83	71032	20.368	ug/l	91
31) Cyclohexane	7.783	56	43376	20.148	ug/l	87
32) 1,1,1-Trichloroethane	7.697	97	59673	20.108	ug/l	100
36) 1,1-Dichloropropene	7.911	75	43318	20.155	ug/l	99
37) Ethyl Acetate	7.070	43	41106	20.518	ug/l	98
38) Carbon Tetrachloride	7.899	117	51402	20.208	ug/l	97
39) Methylcyclohexane	9.185	83	47220	19.598	ug/l	91
40) Benzene	8.155	78	134340	20.674	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	21815m	21.117	ug/l	
42) 1,2-Dichloroethane	8.234	62	49078	20.796	ug/l	95
43) Isopropyl Acetate	8.271	43	71605	19.627	ug/l	97
44) Trichloroethene	8.935	130	38550	20.592	ug/l	94
45) 1,2-Dichloropropane	9.216	63	38049	20.765	ug/l	98
46) Dibromomethane	9.301	93	23829	20.619	ug/l	96
47) Bromodichloromethane	9.496	83	56893	20.630	ug/l	97
48) Methyl methacrylate	9.289	41	31431	20.140	ug/l	94
49) 1,4-Dioxane	9.301	88	8974	388.326	ug/l #	64
51) 4-Methyl-2-Pentanone	10.069	43	217068	102.662	ug/l	95
52) Toluene	10.240	92	85803	20.034	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	55499	19.149	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	61021	19.992	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	36484	20.762	ug/l	98
56) Ethyl methacrylate	10.508	69	49989	19.438	ug/l	92
57) 1,3-Dichloropropane	10.788	76	59827	20.839	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	121976	101.919	ug/l	95
59) 2-Hexanone	10.831	43	156718	100.147	ug/l	94
60) Dibromochloromethane	10.983	129	42080	20.075	ug/l	99
61) 1,2-Dibromoethane	11.087	107	33367	19.989	ug/l	100
64) Tetrachloroethene	10.715	164	40040	21.319	ug/l	96
65) Chlorobenzene	11.514	112	100910	20.545	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	41758	20.953	ug/l	99
67) Ethyl Benzene	11.593	91	173965	20.215	ug/l	100
68) m/p-Xylenes	11.703	106	133864	40.956	ug/l	95
69) o-Xylene	12.026	106	65577	20.140	ug/l	100
70) Styrene	12.044	104	115579	20.510	ug/l	97
71) Bromoform	12.203	173	28081	19.437	ug/l #	100
73) Isopropylbenzene	12.325	105	178652	19.915	ug/l	100
74) N-amyl acetate	12.142	43	63802	19.698	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	46094	19.728	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	34075m	20.104	ug/l	
77) Bromobenzene	12.605	156	43499	19.893	ug/l	96
78) n-propylbenzene	12.672	91	215788	20.256	ug/l	99
79) 2-Chlorotoluene	12.758	91	123354	20.073	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	150507	20.127	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	14508	18.801	ug/l	98
82) 4-Chlorotoluene	12.855	91	127415	20.069	ug/l	99
83) tert-Butylbenzene	13.075	119	138686	20.276	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	151185	20.233	ug/l	98
85) sec-Butylbenzene	13.251	105	203044	20.260	ug/l	99
86) p-Isopropyltoluene	13.367	119	170829	20.560	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	89363	20.604	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	89569	20.590	ug/l	98
89) n-Butylbenzene	13.696	91	159209	20.322	ug/l	97
90) Hexachloroethane	13.959	117	32295	19.592	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	83860	20.697	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8712	19.249	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	53387	20.524	ug/l	99
94) Hexachlorobutadiene	15.111	225	30189	21.336	ug/l	96
95) Naphthalene	15.233	128	124867	19.270	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	47290	20.131	ug/l	97

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

