

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013394.D
 Acq On : 24 Apr 2023 11:48
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/25/2023
 Supervised By :Mahesh Dadoda 04/25/2023

Quant Time: Apr 25 01:58:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 24 14:03:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	243607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	377051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	333958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	165890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	28733	10.760	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.520%#		
35) Dibromofluoromethane	7.716	113	25316	10.675	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.360%#		
50) Toluene-d8	10.179	98	91933	10.897	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	21.800%#		
62) 4-Bromofluorobenzene	12.477	95	31035	10.912	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	21.820%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	24212	10.455	ug/l	94
3) Chloromethane	2.107	50	32729	10.543	ug/l	98
4) Vinyl Chloride	2.247	62	30764	9.953	ug/l	97
5) Bromomethane	2.650	94	25527	10.363	ug/l	100
6) Chloroethane	2.796	64	20571	9.634	ug/l	95
7) Trichlorofluoromethane	3.125	101	47653	10.177	ug/l	96
8) Diethyl Ether	3.527	74	16266	10.201	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	26385	10.046	ug/l	96
10) Methyl Iodide	4.094	142	30907	9.369	ug/l	99
11) Tert butyl alcohol	4.978	59	16883m	52.667	ug/l	
12) 1,1-Dichloroethene	3.869	96	24937	9.850	ug/l	88
13) Acrolein	3.735	56	14781	56.495	ug/l	95
14) Allyl chloride	4.478	41	45968	9.785	ug/l	98
15) Acrylonitrile	5.161	53	44106	49.390	ug/l	98
16) Acetone	3.954	43	48170	45.804	ug/l	95
17) Carbon Disulfide	4.192	76	84194	10.238	ug/l	99
18) Methyl Acetate	4.485	43	34351	9.890	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	70639	9.664	ug/l	98
20) Methylene Chloride	4.710	84	58186	11.419	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	28654	10.351	ug/l	87
22) Diisopropyl ether	6.118	45	90584	9.865	ug/l #	94
23) Vinyl Acetate	6.057	43	252179m	48.143	ug/l	
24) 1,1-Dichloroethane	6.021	63	52165	10.194	ug/l	97
25) 2-Butanone	6.990	43	64396	48.283	ug/l	92
26) 2,2-Dichloropropane	6.978	77	44778	10.154	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	30903	10.104	ug/l	96
28) Bromochloromethane	7.326	49	19456	10.714	ug/l	83
29) Tetrahydrofuran	7.350	42	40381	48.639	ug/l	91
30) Chloroform	7.502	83	52859	10.389	ug/l	97
31) Cyclohexane	7.783	56	47243	9.881	ug/l #	92
32) 1,1,1-Trichloroethane	7.697	97	45876	10.104	ug/l	98
36) 1,1-Dichloropropene	7.917	75	39238	9.970	ug/l	96
37) Ethyl Acetate	7.076	43	28259	9.541	ug/l	99
38) Carbon Tetrachloride	7.893	117	41972	10.175	ug/l	92
39) Methylcyclohexane	9.179	83	43211	9.313	ug/l	94
40) Benzene	8.155	78	113221	10.212	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	13119m	9.485	ug/l	
42) 1,2-Dichloroethane	8.234	62	37754	10.416	ug/l	99
43) Isopropyl Acetate	8.270	43	47923	9.586	ug/l	97
44) Trichloroethene	8.935	130	29589	10.033	ug/l	98
45) 1,2-Dichloropropane	9.215	63	29496	10.175	ug/l	94
46) Dibromomethane	9.301	93	17769	10.245	ug/l	94
47) Bromodichloromethane	9.490	83	39512	10.181	ug/l	98
48) Methyl methacrylate	9.295	41	21468	9.350	ug/l	95
49) 1,4-Dioxane	9.313	88	5044	203.621	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	135145	48.512	ug/l	95
52) Toluene	10.246	92	68107	10.208	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	41242	10.041	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	46167	9.989	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	23365	10.172	ug/l	95
56) Ethyl methacrylate	10.508	69	30103	9.447	ug/l #	87
57) 1,3-Dichloropropane	10.788	76	39488	10.151	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	61126	51.154	ug/l	94
59) 2-Hexanone	10.831	43	97702	48.247	ug/l	96
60) Dibromochloromethane	10.983	129	28448	10.200	ug/l	98
61) 1,2-Dibromoethane	11.087	107	23464	10.390	ug/l	99
64) Tetrachloroethene	10.715	164	25661	10.105	ug/l	97
65) Chlorobenzene	11.514	112	74556	10.248	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	28466	10.462	ug/l	99
67) Ethyl Benzene	11.593	91	125463	9.821	ug/l	98
68) m/p-Xylenes	11.703	106	96801	19.933	ug/l	100
69) o-Xylene	12.026	106	44904	9.777	ug/l	100
70) Styrene	12.044	104	76598	9.974	ug/l	98
71) Bromoform	12.209	173	19153	10.050	ug/l #	99
73) Isopropylbenzene	12.325	105	119038	9.487	ug/l	98
74) N-amyl acetate	12.142	43	40810	9.140	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	30135	9.826	ug/l	96
76) 1,2,3-Trichloropropane	12.629	75	21814m	9.523	ug/l	
77) Bromobenzene	12.605	156	31064	10.218	ug/l	97
78) n-propylbenzene	12.666	91	146802	9.499	ug/l	99
79) 2-Chlorotoluene	12.757	91	84229	9.759	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	97925	9.562	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	10378	9.489	ug/l	92
82) 4-Chlorotoluene	12.855	91	88255	9.811	ug/l	99
83) tert-Butylbenzene	13.074	119	84794	9.557	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	94975	9.539	ug/l	100
85) sec-Butylbenzene	13.251	105	127830	9.600	ug/l	98
86) p-Isopropyltoluene	13.367	119	102273	9.551	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	58493	10.099	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	60728	10.379	ug/l	98
89) n-Butylbenzene	13.696	91	99051	9.477	ug/l	98
90) Hexachloroethane	13.958	117	21981	9.753	ug/l	94
91) 1,2-Dichlorobenzene	13.733	146	52919	10.117	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5486	10.128	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	31028	9.950	ug/l	96
94) Hexachlorobutadiene	15.111	225	19023	10.482	ug/l	99
95) Naphthalene	15.233	128	61495	9.089	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	27527	9.904	ug/l	99

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

