

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060923\
 Data File : VY014089.D
 Acq On : 09 Jun 2023 11:07
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/12/2023
 Supervised By :Mahesh Dadoda 06/12/2023

Quant Time: Jun 09 18:04:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:04:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	204172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	316890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	289086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	16004	5.629	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.260%#		
35) Dibromofluoromethane	7.722	113	11553	5.141	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.280%#		
50) Toluene-d8	10.185	98	45990	5.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.940%#		
62) 4-Bromofluorobenzene	12.483	95	15839	5.307	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.620%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	11241	4.940	ug/l	91
3) Chloromethane	2.119	50	15432	5.349	ug/l	98
4) Vinyl Chloride	2.253	62	14938	5.325	ug/l	98
5) Bromomethane	2.656	94	12343	5.333	ug/l	90
6) Chloroethane	2.796	64	9690	5.084	ug/l	95
7) Trichlorofluoromethane	3.131	101	24107	5.290	ug/l	99
8) Diethyl Ether	3.534	74	7749	5.092	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	11894	5.171	ug/l	99
10) Methyl Iodide	4.094	142	13343	4.394	ug/l	96
11) Tert butyl alcohol	4.966	59	7799m	20.815	ug/l	
12) 1,1-Dichloroethene	3.881	96	11991	5.144	ug/l	90
13) Acrolein	3.735	56	5634	31.187	ug/l	99
14) Allyl chloride	4.485	41	20401	4.828	ug/l	99
15) Acrylonitrile	5.180	53	19330	24.628	ug/l #	83
16) Acetone	3.960	43	21631	25.240	ug/l	96
17) Carbon Disulfide	4.198	76	38707	5.124	ug/l	99
18) Methyl Acetate	4.485	43	17424	5.238	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	32039	4.660	ug/l	92
20) Methylene Chloride	4.722	84	19902	3.974	ug/l	89
21) trans-1,2-Dichloroethene	5.228	96	12975	4.990	ug/l	94
22) Diisopropyl ether	6.118	45	36556	4.518	ug/l	91
23) Vinyl Acetate	6.064	43	102639	21.501	ug/l	99
24) 1,1-Dichloroethane	6.021	63	22799	4.887	ug/l #	96
25) 2-Butanone	6.990	43	23960	22.712	ug/l	91
26) 2,2-Dichloropropane	6.984	77	21558	4.920	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	13980	4.806	ug/l	98
28) Bromochloromethane	7.338	49	9131	4.813	ug/l	95
29) Tetrahydrofuran	7.350	42	15557	23.256	ug/l	97
30) Chloroform	7.502	83	24129	4.876	ug/l	91
31) Cyclohexane	7.789	56	20919	5.492	ug/l #	87
32) 1,1,1-Trichloroethane	7.710	97	22879	5.126	ug/l	99
36) 1,1-Dichloropropene	7.917	75	17476	4.988	ug/l	99
37) Ethyl Acetate	7.076	43	11195	4.631	ug/l	97
38) Carbon Tetrachloride	7.905	117	20596	5.094	ug/l	97
39) Methylcyclohexane	9.185	83	18456	4.748	ug/l	99
40) Benzene	8.167	78	52553	5.044	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	5337m	4.323	ug/l	
42) 1,2-Dichloroethane	8.234	62	18497	5.021	ug/l	100
43) Isopropyl Acetate	8.270	43	19255	4.545	ug/l	94
44) Trichloroethene	8.947	130	13553	4.869	ug/l	95
45) 1,2-Dichloropropane	9.215	63	13149	4.969	ug/l	96
46) Dibromomethane	9.307	93	8156	5.007	ug/l	96
47) Bromodichloromethane	9.496	83	18672	4.896	ug/l #	93
48) Methyl methacrylate	9.295	41	8296	4.198	ug/l	94
49) 1,4-Dioxane	9.313	88	1498	72.375	ug/l #	1
51) 4-Methyl-2-Pentanone	10.069	43	52628	22.863	ug/l	98
52) Toluene	10.246	92	30568	4.733	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	18960	4.722	ug/l	91
54) cis-1,3-Dichloropropene	9.929	75	21190	4.837	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	10846	5.020	ug/l	96
56) Ethyl methacrylate	10.514	69	13303	4.464	ug/l	99
57) 1,3-Dichloropropane	10.794	76	18044	4.883	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	25947	45.874	ug/l	98
59) 2-Hexanone	10.837	43	37587	22.608	ug/l	97
60) Dibromochloromethane	10.983	129	13247	4.790	ug/l	98
61) 1,2-Dibromoethane	11.087	107	10504	4.926	ug/l	97
64) Tetrachloroethene	10.721	164	13043	5.293	ug/l	99
65) Chlorobenzene	11.520	112	34656	4.989	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	13561	4.964	ug/l	98
67) Ethyl Benzene	11.593	91	57215	4.706	ug/l	99
68) m/p-Xylenes	11.703	106	44349	9.483	ug/l	94
69) o-Xylene	12.032	106	20490	4.634	ug/l	100
70) Styrene	12.044	104	34446	4.565	ug/l	98
71) Bromoform	12.209	173	9130	4.879	ug/l #	98
73) Isopropylbenzene	12.331	105	53421	4.492	ug/l	99
74) N-amyl acetate	12.148	43	15941	4.230	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	12795	4.815	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	8861m	4.324	ug/l	
77) Bromobenzene	12.611	156	14776	4.728	ug/l	94
78) n-propylbenzene	12.672	91	64631	4.450	ug/l	98
79) 2-Chlorotoluene	12.757	91	38485	4.605	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	45788	4.497	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.379	75	3917	4.140	ug/l	91
82) 4-Chlorotoluene	12.855	91	40997	4.629	ug/l	98
83) tert-Butylbenzene	13.074	119	38870	4.492	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	43880	4.354	ug/l	97
85) sec-Butylbenzene	13.257	105	56417	4.485	ug/l	96
86) p-Isopropyltoluene	13.373	119	49103	4.561	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	28478	4.772	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	29514	4.909	ug/l	93
89) n-Butylbenzene	13.696	91	45936	4.600	ug/l	98
90) Hexachloroethane	13.965	117	10609	4.945	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	25326	4.725	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2481	4.903	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	14904	4.390	ug/l	99
94) Hexachlorobutadiene	15.111	225	9415	4.803	ug/l	97
95) Naphthalene	15.239	128	28158	4.086	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	13588	4.429	ug/l	100

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

