

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015068.D
 Acq On : 14 Aug 2023 09:23
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/15/2023
 Supervised By :Semsettin Yesilyurt 08/15/2023

Quant Time: Aug 14 12:24:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:23:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	218013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	354857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	318101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	13415	5.126	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.260%#		
35) Dibromofluoromethane	7.722	113	11337	4.966	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.940%#		
50) Toluene-d8	10.179	98	42785	5.035	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.060%#		
62) 4-Bromofluorobenzene	12.483	95	16364	5.272	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.540%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	7166	2.942	ug/l	92
3) Chloromethane	2.107	50	10899	4.929	ug/l	98
4) Vinyl Chloride	2.247	62	10416	6.004	ug/l	98
5) Bromomethane	2.650	94	8406	5.317	ug/l	96
6) Chloroethane	2.790	64	7035	5.585	ug/l	95
7) Trichlorofluoromethane	3.125	101	16919	5.788	ug/l	98
8) Diethyl Ether	3.528	74	6759	5.896	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.887	101	10530	5.796	ug/l	93
10) Methyl Iodide	4.082	142	9077	5.088	ug/l	99
11) Tert butyl alcohol	4.960	59	18638m	29.125	ug/l	
12) 1,1-Dichloroethene	3.869	96	8918	5.879	ug/l	90
13) Acrolein	3.735	56	8680	35.793	ug/l	95
14) Allyl chloride	4.473	41	14396	5.352	ug/l	94
15) Acrylonitrile	5.161	53	20956	26.973	ug/l	97
16) Acetone	3.954	43	25904	30.299	ug/l	94
17) Carbon Disulfide	4.192	76	14586	5.463	ug/l #	93
18) Methyl Acetate	4.479	43	17928	5.722	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	35831	5.555	ug/l	95
20) Methylene Chloride	4.710	84	20424	6.177	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	9358	5.469	ug/l	97
22) Diisopropyl ether	6.113	45	36074	5.375	ug/l	95
23) Vinyl Acetate	6.058	43	106760	26.659	ug/l	98
24) 1,1-Dichloroethane	6.009	63	20179	5.554	ug/l	97
25) 2-Butanone	6.984	43	35536	29.356	ug/l	95
26) 2,2-Dichloropropane	6.972	77	21616	6.171	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	13142	5.622	ug/l	100
28) Bromochloromethane	7.332	49	9587	5.743	ug/l	91
29) Tetrahydrofuran	7.344	42	20105	27.776	ug/l	92
30) Chloroform	7.509	83	23140	5.681	ug/l	94
31) Cyclohexane	7.783	56	16780	4.874	ug/l #	67
32) 1,1,1-Trichloroethane	7.698	97	19617	5.660	ug/l	99
36) 1,1-Dichloropropene	7.917	75	13948	5.523	ug/l	96
37) Ethyl Acetate	7.070	43	14067	5.975	ug/l #	93
38) Carbon Tetrachloride	7.899	117	16955	5.672	ug/l	96
39) Methylcyclohexane	9.185	83	15402	5.440	ug/l	93
40) Benzene	8.161	78	41803	5.475	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	6331	5.358	ug/l	91
42) 1,2-Dichloroethane	8.240	62	15409	5.556	ug/l	95
43) Isopropyl Acetate	8.271	43	23909	5.577	ug/l	99
44) Trichloroethene	8.941	130	12361	5.619	ug/l	91
45) 1,2-Dichloropropane	9.216	63	11730	5.448	ug/l	95
46) Dibromomethane	9.307	93	7518	5.536	ug/l	99
47) Bromodichloromethane	9.496	83	17313	5.342	ug/l	89
48) Methyl methacrylate	9.289	41	9889	5.392	ug/l	92
49) 1,4-Dioxane	9.307	88	2885	106.238	ug/l #	54
51) 4-Methyl-2-Pentanone	10.069	43	67807	27.290	ug/l	95
52) Toluene	10.246	92	27451	5.454	ug/l	92
53) t-1,3-Dichloropropene	10.465	75	18466	5.422	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	19913	5.552	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	11470	5.555	ug/l	95
56) Ethyl methacrylate	10.508	69	15873	5.253	ug/l	92
57) 1,3-Dichloropropane	10.789	76	18565	5.503	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	36083	25.657	ug/l	97
59) 2-Hexanone	10.831	43	50266	27.335	ug/l	94
60) Dibromochloromethane	10.984	129	13379	5.432	ug/l	98
61) 1,2-Dibromoethane	11.087	107	10747	5.479	ug/l	100
64) Tetrachloroethene	10.721	164	12502	5.641	ug/l	98
65) Chlorobenzene	11.514	112	31944	5.512	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	12506	5.318	ug/l	95
67) Ethyl Benzene	11.593	91	56331	5.547	ug/l	96
68) m/p-Xylenes	11.703	106	42798	11.097	ug/l	94
69) o-Xylene	12.026	106	20760	5.403	ug/l	97
70) Styrene	12.044	104	35265	5.303	ug/l	96
71) Bromoform	12.209	173	9252	5.427	ug/l #	98
73) Isopropylbenzene	12.331	105	56892	5.617	ug/l	99
74) N-amyl acetate	12.142	43	18984	5.192	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	14797	5.610	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	11159m	5.821	ug/l	
77) Bromobenzene	12.605	156	13927	5.642	ug/l	98
78) n-propylbenzene	12.672	91	66729	5.548	ug/l	99
79) 2-Chlorotoluene	12.752	91	39076	5.632	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	46073	5.457	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	4432	5.087	ug/l	95
82) 4-Chlorotoluene	12.855	91	39877	5.563	ug/l	98
83) tert-Butylbenzene	13.075	119	42996	5.568	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	46645	5.529	ug/l	100
85) sec-Butylbenzene	13.252	105	63402	5.604	ug/l	100
86) p-Isopropyltoluene	13.367	119	51009	5.438	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	27010	5.516	ug/l	97
88) 1,4-Dichlorobenzene	13.447	146	27760	5.652	ug/l	93
89) n-Butylbenzene	13.697	91	48383	5.470	ug/l	99
90) Hexachloroethane	13.959	117	10444	5.612	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	25729	5.625	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2850	5.578	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	15961	5.435	ug/l	99
94) Hexachlorobutadiene	15.111	225	9292	5.817	ug/l	95
95) Naphthalene	15.233	128	42190	5.767	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	14546	5.485	ug/l	97

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

