

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014397.D
 Acq On : 23 Jun 2023 09:57
 Operator : KP/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 :Krupa Patel 06/26/2023
 Supervised By :Mahesh Dadoda 06/26/2023

Quant Time: Jun 23 12:54:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 12:53:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	245643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	369405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	336338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	178574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	15424	5.057	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.120%#		
35) Dibromofluoromethane	7.722	113	10466	4.586	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.180%#		
50) Toluene-d8	10.179	98	42608	4.697	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.400%#		
62) 4-Bromofluorobenzene	12.483	95	15681	4.842	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.680%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	11207	4.915	ug/l	90
3) Chloromethane	2.113	50	10847	4.861	ug/l	96
4) Vinyl Chloride	2.253	62	11517	4.736	ug/l	96
5) Bromomethane	2.644	94	11511	5.387	ug/l	89
6) Chloroethane	2.790	64	8016	4.976	ug/l #	87
7) Trichlorofluoromethane	3.125	101	24138	5.027	ug/l	91
8) Diethyl Ether	3.528	74	7459	5.095	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	11057	4.872	ug/l	93
10) Methyl Iodide	4.088	142	9131	5.744	ug/l	96
11) Tert butyl alcohol	4.948	59	13942	29.033	ug/l #	90
12) 1,1-Dichloroethene	3.863	96	10750	4.750	ug/l	83
13) Acrolein	3.735	56	4173	14.408	ug/l	97
14) Allyl chloride	4.479	41	16812	4.652	ug/l	95
15) Acrylonitrile	5.161	53	19686	24.048	ug/l	98
16) Acetone	3.948	43	23678	24.672	ug/l	97
17) Carbon Disulfide	4.186	76	28825	4.116	ug/l #	94
18) Methyl Acetate	4.479	43	17751	5.380	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	31664	4.549	ug/l	94
20) Methylene Chloride	4.716	84	26713	4.592	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	11102	4.462	ug/l	98
22) Diisopropyl ether	6.112	45	32293	4.496	ug/l	94
23) Vinyl Acetate	6.058	43	71598m	18.876	ug/l	
24) 1,1-Dichloroethane	6.015	63	20491	4.804	ug/l	95
25) 2-Butanone	6.984	43	29852	24.974	ug/l	100
26) 2,2-Dichloropropane	6.978	77	23891	5.298	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	13024	4.650	ug/l	93
28) Bromochloromethane	7.332	49	8122	4.367	ug/l #	83
29) Tetrahydrofuran	7.344	42	16171	22.688	ug/l	92
30) Chloroform	7.502	83	23860	4.959	ug/l	98
31) Cyclohexane	7.783	56	19448	5.163	ug/l #	68
32) 1,1,1-Trichloroethane	7.698	97	21578	4.712	ug/l	96
36) 1,1-Dichloropropene	7.917	75	15991	4.547	ug/l	99
37) Ethyl Acetate	7.070	43	11851	4.889	ug/l	96
38) Carbon Tetrachloride	7.899	117	21813	4.929	ug/l	98
39) Methylcyclohexane	9.185	83	17564	4.341	ug/l	90
40) Benzene	8.161	78	45518	4.570	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	5493m	4.543	ug/l	
42) 1,2-Dichloroethane	8.240	62	18352	4.859	ug/l	97
43) Isopropyl Acetate	8.271	43	19606	4.581	ug/l	98
44) Trichloroethene	8.941	130	13958	4.881	ug/l	88
45) 1,2-Dichloropropane	9.216	63	11356	4.835	ug/l	92
46) Dibromomethane	9.307	93	7550	4.704	ug/l	98
47) Bromodichloromethane	9.496	83	17784	4.754	ug/l #	88
48) Methyl methacrylate	9.295	41	8634	4.344	ug/l	93
49) 1,4-Dioxane	9.307	88	2438	97.147	ug/l #	64
51) 4-Methyl-2-Pentanone	10.069	43	54779	22.678	ug/l	97
52) Toluene	10.246	92	29035	4.530	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	18400	4.537	ug/l	91
54) cis-1,3-Dichloropropene	9.929	75	18692	4.468	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	9771	4.546	ug/l	87
56) Ethyl methacrylate	10.514	69	12924	4.211	ug/l	94
57) 1,3-Dichloropropane	10.788	76	16812	4.651	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	25687	17.866	ug/l #	89
59) 2-Hexanone	10.831	43	38979	21.415	ug/l	98
60) Dibromochloromethane	10.984	129	13239	4.644	ug/l	96
61) 1,2-Dibromoethane	11.087	107	9559	4.467	ug/l	99
64) Tetrachloroethene	10.721	164	14467	5.055	ug/l	93
65) Chlorobenzene	11.520	112	33256	4.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	13513	4.855	ug/l	100
67) Ethyl Benzene	11.593	91	55540	4.514	ug/l	98
68) m/p-Xylenes	11.703	106	43048	8.958	ug/l	98
69) o-Xylene	12.032	106	20551	4.494	ug/l	99
70) Styrene	12.044	104	35636	4.547	ug/l	99
71) Bromoform	12.209	173	10033	4.877	ug/l #	96
73) Isopropylbenzene	12.331	105	54431	4.527	ug/l	100
74) N-amyl acetate	12.142	43	16220	4.259	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	12466	4.851	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	11082m	4.936	ug/l	
77) Bromobenzene	12.611	156	15076	4.822	ug/l	91
78) n-propylbenzene	12.672	91	64747	4.463	ug/l	97
79) 2-Chlorotoluene	12.758	91	37943	4.580	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	46963	4.515	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	4449	4.522	ug/l	96
82) 4-Chlorotoluene	12.855	91	40632	4.604	ug/l	99
83) tert-Butylbenzene	13.075	119	40563	4.549	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	46125	4.475	ug/l	99
85) sec-Butylbenzene	13.258	105	58030	4.500	ug/l	97
86) p-Isopropyltoluene	13.373	119	50673	4.539	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	28907	4.794	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	29627	4.887	ug/l	93
89) n-Butylbenzene	13.696	91	46209	4.530	ug/l	98
90) Hexachloroethane	13.965	117	10084	4.748	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	27158	4.933	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2807	4.942	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	16333	4.567	ug/l	96
94) Hexachlorobutadiene	15.111	225	10731	4.995	ug/l	99
95) Naphthalene	15.239	128	35221	4.580	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	15373	4.720	ug/l	98

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

