

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072623\
 Data File : VY014867.D
 Acq On : 26 Jul 2023 22:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 27 01:15:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/27/2023
 Supervised By : Mahesh Dadoda 07/27/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	203395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	346449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	317382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	160289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	110942	47.866	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.740%		
35) Dibromofluoromethane	7.716	113	100323	45.489	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.980%		
50) Toluene-d8	10.179	98	356721	43.872	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.740%		
62) 4-Bromofluorobenzene	12.477	95	141423	45.361	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	62587	37.769	ug/l	98
3) Chloromethane	2.113	50	92944	49.897	ug/l	99
4) Vinyl Chloride	2.247	62	107950	51.854	ug/l	96
5) Bromomethane	2.638	94	89686	65.190	ug/l	100
6) Chloroethane	2.790	64	75845	58.325	ug/l	95
7) Trichlorofluoromethane	3.119	101	160356	45.864	ug/l	99
8) Diethyl Ether	3.528	74	63425	48.755	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	95648	44.632	ug/l	94
10) Methyl Iodide	4.088	142	88773	39.594	ug/l	98
11) Tert butyl alcohol	4.954	59	108828	224.539	ug/l #	85
12) 1,1-Dichloroethene	3.869	96	87584	43.728	ug/l	92
13) Acrolein	3.729	56	22823	94.212	ug/l	99
14) Allyl chloride	4.473	41	146430	41.175	ug/l	97
15) Acrylonitrile	5.161	53	192233	267.973	ug/l	98
16) Acetone	3.942	43	155332	211.488	ug/l	95
17) Carbon Disulfide	4.192	76	221305	38.593	ug/l	99
18) Methyl Acetate	4.473	43	159455	56.573	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	327196	50.290	ug/l	99
20) Methylene Chloride	4.710	84	122601	51.511	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	104084	45.792	ug/l	95
22) Diisopropyl ether	6.119	45	342172	47.325	ug/l	91
23) Vinyl Acetate	6.058	43	1015240	234.639	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	194753	47.075	ug/l	96
25) 2-Butanone	6.984	43	267294	248.755	ug/l	96
26) 2,2-Dichloropropane	6.978	77	157018	39.824	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	129200	48.833	ug/l	94
28) Bromochloromethane	7.332	49	81977	46.009	ug/l	92
29) Tetrahydrofuran	7.350	42	177854	268.806	ug/l	91
30) Chloroform	7.502	83	211840	49.656	ug/l	99
31) Cyclohexane	7.783	56	149241	38.789	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	181162	47.182	ug/l	99
36) 1,1-Dichloropropene	7.917	75	144403	43.783	ug/l	99
37) Ethyl Acetate	7.076	43	114363	50.364	ug/l	95
38) Carbon Tetrachloride	7.899	117	158175	45.369	ug/l	99
39) Methylcyclohexane	9.185	83	176245	41.017	ug/l	93
40) Benzene	8.161	78	433856	46.253	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	60372m	51.689	ug/l	
42) 1,2-Dichloroethane	8.234	62	147887	49.787	ug/l	95
43) Isopropyl Acetate	8.271	43	210739	48.719	ug/l	96
44) Trichloroethene	8.941	130	123020	46.875	ug/l	98
45) 1,2-Dichloropropane	9.216	63	113383	46.291	ug/l	97
46) Dibromomethane	9.301	93	74707	50.277	ug/l	96
47) Bromodichloromethane	9.496	83	171705	49.029	ug/l	98
48) Methyl methacrylate	9.295	41	95640	49.137	ug/l	93
49) 1,4-Dioxane	9.295	88	25937	1070.503	ug/l #	64
51) 4-Methyl-2-Pentanone	10.069	43	604307	266.083	ug/l	93
52) Toluene	10.240	92	280804	46.783	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	173939	45.406	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	188160	45.168	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	105703	51.069	ug/l	96
56) Ethyl methacrylate	10.508	69	158544	50.168	ug/l	91
57) 1,3-Dichloropropane	10.788	76	176141	49.339	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	348372	236.587	ug/l	94
59) 2-Hexanone	10.831	43	431369	260.453	ug/l	91
60) Dibromochloromethane	10.984	129	126238	49.745	ug/l	98
61) 1,2-Dibromoethane	11.087	107	104162	50.446	ug/l	98
64) Tetrachloroethene	10.721	164	125881	49.315	ug/l	96
65) Chlorobenzene	11.514	112	314286	46.469	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	124206	48.707	ug/l	99
67) Ethyl Benzene	11.593	91	552521	45.247	ug/l	97
68) m/p-Xylenes	11.703	106	421945	90.520	ug/l	96
69) o-Xylene	12.026	106	210458	46.355	ug/l	98
70) Styrene	12.044	104	362598	47.385	ug/l	97
71) Bromoform	12.203	173	84195	48.710	ug/l #	100
73) Isopropylbenzene	12.325	105	550534	43.865	ug/l	100
74) N-amyl acetate	12.142	43	188603	44.868	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	133951	46.801	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	98959m	48.883	ug/l	
77) Bromobenzene	12.605	156	133151	46.477	ug/l	97
78) n-propylbenzene	12.672	91	651183	43.057	ug/l	100
79) 2-Chlorotoluene	12.752	91	373121	42.833	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	458907	43.782	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	41202	39.406	ug/l	96
82) 4-Chlorotoluene	12.855	91	387245	43.164	ug/l	100
83) tert-Butylbenzene	13.075	119	406156	43.682	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	455933	44.323	ug/l	99
85) sec-Butylbenzene	13.251	105	593715	43.529	ug/l	100
86) p-Isopropyltoluene	13.367	119	500605	44.953	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	258353	46.334	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	258486	46.262	ug/l	98
89) n-Butylbenzene	13.696	91	470048	43.385	ug/l	97
90) Hexachloroethane	13.959	117	100502	43.938	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	240791	47.135	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	26000	47.502	ug/l	89
93) 1,2,4-Trichlorobenzene	15.001	180	155338	47.901	ug/l	97
94) Hexachlorobutadiene	15.111	225	81412	45.684	ug/l	99
95) Naphthalene	15.233	128	388228	51.386	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	141581	49.125	ug/l	98

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

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