

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072623\
 Data File : VY014841.D
 Acq On : 26 Jul 2023 11:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Jul 26 13:43:45 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	204782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	346278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	309999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	156772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	108126	46.335	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.660%		
35) Dibromofluoromethane	7.716	113	95586	43.363	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.720%		
50) Toluene-d8	10.179	98	338013	41.592	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	83.180%		
62) 4-Bromofluorobenzene	12.483	95	125894	40.400	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	80.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	66241	39.704	ug/l	98
3) Chloromethane	2.107	50	101473	54.107	ug/l	96
4) Vinyl Chloride	2.247	62	115836	55.266	ug/l	97
5) Bromomethane	2.643	94	69599	50.247	ug/l	95
6) Chloroethane	2.784	64	76879	58.720	ug/l	97
7) Trichlorofluoromethane	3.113	101	171499	48.718	ug/l	99
8) Diethyl Ether	3.527	74	67498	51.534	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	100925	46.776	ug/l	95
10) Methyl Iodide	4.082	142	114288	49.968	ug/l	97
11) Tert butyl alcohol	4.972	59	129396	271.459	ug/l #	85
12) 1,1-Dichloroethene	3.863	96	92741	45.989	ug/l	92
13) Acrolein	3.729	56	53279	218.443	ug/l	98
14) Allyl chloride	4.472	41	158410	44.242	ug/l	97
15) Acrylonitrile	5.161	53	226375	313.429	ug/l	99
16) Acetone	3.954	43	243348	329.080	ug/l	91
17) Carbon Disulfide	4.186	76	238949	41.388	ug/l	100
18) Methyl Acetate	4.478	43	183671	64.723	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	354927	54.182	ug/l	98
20) Methylene Chloride	4.710	84	122783	51.214	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	109241	47.735	ug/l	95
22) Diisopropyl ether	6.118	45	358939	49.308	ug/l	91
23) Vinyl Acetate	6.057	43	1157804	265.776	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	203291	48.806	ug/l	99
25) 2-Butanone	6.984	43	349117	322.703	ug/l	94
26) 2,2-Dichloropropane	6.978	77	188306	47.435	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	133791	50.226	ug/l	96
28) Bromochloromethane	7.332	49	92382	51.498	ug/l	92
29) Tetrahydrofuran	7.350	42	213710	320.811	ug/l	91
30) Chloroform	7.502	83	217730	50.691	ug/l	96
31) Cyclohexane	7.783	56	157633	40.693	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	186956	48.362	ug/l	98
36) 1,1-Dichloropropene	7.917	75	152588	46.288	ug/l	100
37) Ethyl Acetate	7.069	43	136311	60.059	ug/l #	96
38) Carbon Tetrachloride	7.899	117	164630	47.244	ug/l	97
39) Methylcyclohexane	9.179	83	184225	42.896	ug/l	94
40) Benzene	8.161	78	449398	47.934	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	68614m	58.775	ug/l	
42) 1,2-Dichloroethane	8.234	62	154673	52.097	ug/l	95
43) Isopropyl Acetate	8.270	43	244567	56.568	ug/l	98
44) Trichloroethene	8.935	130	126268	48.136	ug/l	98
45) 1,2-Dichloropropane	9.215	63	117498	47.995	ug/l	95
46) Dibromomethane	9.301	93	79458	53.501	ug/l	96
47) Bromodichloromethane	9.496	83	176331	50.375	ug/l	98
48) Methyl methacrylate	9.289	41	109882	56.482	ug/l	93
49) 1,4-Dioxane	9.313	88	32264	1332.296	ug/l #	52
51) 4-Methyl-2-Pentanone	10.069	43	715236	315.082	ug/l	94
52) Toluene	10.240	92	288821	48.142	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	189328	49.448	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	201843	48.476	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	111559	53.925	ug/l	97
56) Ethyl methacrylate	10.508	69	171014	54.141	ug/l	92
57) 1,3-Dichloropropane	10.788	76	187204	52.464	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	399335	271.331	ug/l	94
59) 2-Hexanone	10.831	43	533766	322.438	ug/l	92
60) Dibromochloromethane	10.983	129	134223	52.917	ug/l	100
61) 1,2-Dibromoethane	11.087	107	111478	54.016	ug/l	99
64) Tetrachloroethene	10.721	164	125275	50.246	ug/l	98
65) Chlorobenzene	11.514	112	321598	48.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	125327	50.317	ug/l	99
67) Ethyl Benzene	11.593	91	567738	47.600	ug/l	99
68) m/p-Xylenes	11.703	106	433801	95.280	ug/l	96
69) o-Xylene	12.026	106	216152	48.743	ug/l	97
70) Styrene	12.044	104	369074	49.380	ug/l	97
71) Bromoform	12.209	173	92624	54.862	ug/l #	99
73) Isopropylbenzene	12.331	105	558694	45.514	ug/l	99
74) N-amyl acetate	12.142	43	212556	51.701	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	151804	54.229	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	115799m	58.485	ug/l	
77) Bromobenzene	12.605	156	136933	48.869	ug/l	96
78) n-propylbenzene	12.672	91	670847	45.352	ug/l	99
79) 2-Chlorotoluene	12.757	91	383525	45.015	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	470238	45.869	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	52183	51.028	ug/l	96
82) 4-Chlorotoluene	12.855	91	399297	45.506	ug/l	100
83) tert-Butylbenzene	13.074	119	414250	45.553	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	466000	46.318	ug/l	98
85) sec-Butylbenzene	13.251	105	609632	45.699	ug/l	100
86) p-Isopropyltoluene	13.367	119	510503	46.870	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	264682	48.534	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	266505	48.767	ug/l	99
89) n-Butylbenzene	13.696	91	479806	45.279	ug/l	96
90) Hexachloroethane	13.958	117	100774	45.045	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	246394	49.314	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	31043	57.987	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	157792	49.750	ug/l	98
94) Hexachlorobutadiene	15.111	225	80795	46.355	ug/l	98
95) Naphthalene	15.233	128	423397	57.298	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	145462	51.604	ug/l	99

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

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