

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090123\
 Data File : VY015405.D
 Acq On : 01 Sep 2023 10:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/04/2023
 Supervised By : Mahesh Dadoda 09/05/2023

Quant Time: Sep 01 23:25:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	179887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	301074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	274663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	90597	46.981	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.960%		
35) Dibromofluoromethane	7.716	113	83448	48.121	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.240%		
50) Toluene-d8	10.179	98	288094	45.876	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.760%		
62) 4-Bromofluorobenzene	12.483	95	108835	46.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.360%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	69413	44.391	ug/l	95
3) Chloromethane	2.113	50	101815	49.028	ug/l	97
4) Vinyl Chloride	2.247	62	112259	46.443	ug/l	100
5) Bromomethane	2.650	94	82633	48.045	ug/l	95
6) Chloroethane	2.790	64	79369	49.956	ug/l	94
7) Trichlorofluoromethane	3.119	101	153012	44.752	ug/l	99
8) Diethyl Ether	3.528	74	57852	49.510	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	84982	44.844	ug/l	96
10) Methyl Iodide	4.088	142	113843	51.156	ug/l	98
11) Tert butyl alcohol	4.979	59	84989	193.517	ug/l	100
12) 1,1-Dichloroethene	3.869	96	83952	46.948	ug/l	93
13) Acrolein	3.729	56	119841	224.923	ug/l	99
14) Allyl chloride	4.479	41	141676	49.761	ug/l	96
15) Acrylonitrile	5.168	53	179574	244.228	ug/l	99
16) Acetone	3.954	43	211203	262.400	ug/l	93
17) Carbon Disulfide	4.192	76	252584	47.248	ug/l	99
18) Methyl Acetate	4.479	43	140924	48.339	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	286796	49.346	ug/l	99
20) Methylene Chloride	4.710	84	108164	40.390	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	98255	47.716	ug/l	96
22) Diisopropyl ether	6.119	45	313981	50.424	ug/l	94
23) Vinyl Acetate	6.058	43	1001347	254.699	ug/l	96
24) 1,1-Dichloroethane	6.015	63	176060	48.911	ug/l	98
25) 2-Butanone	6.990	43	290299	254.292	ug/l	97
26) 2,2-Dichloropropane	6.984	77	150000	49.063	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	114674	49.090	ug/l	95
28) Bromochloromethane	7.332	49	52450	47.516	ug/l	98
29) Tetrahydrofuran	7.350	42	172689	240.885	ug/l	95
30) Chloroform	7.502	83	184458	48.747	ug/l	96
31) Cyclohexane	7.783	56	149134	43.537	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	161337	47.735	ug/l	99
36) 1,1-Dichloropropene	7.917	75	138110	45.357	ug/l	99
37) Ethyl Acetate	7.076	43	113862	48.485	ug/l	96
38) Carbon Tetrachloride	7.899	117	143501	45.631	ug/l	100
39) Methylcyclohexane	9.185	83	166652	43.474	ug/l	93
40) Benzene	8.161	78	404063	47.563	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	44833	40.711	ug/l	88
42) 1,2-Dichloroethane	8.234	62	130919	46.215	ug/l	95
43) Isopropyl Acetate	8.271	43	197759	48.698	ug/l	98
44) Trichloroethene	8.941	130	113923	47.397	ug/l	99
45) 1,2-Dichloropropane	9.216	63	103614	48.382	ug/l	98
46) Dibromomethane	9.307	93	68447	48.115	ug/l	95
47) Bromodichloromethane	9.496	83	147175	48.378	ug/l	98
48) Methyl methacrylate	9.295	41	89729	48.159	ug/l	91
49) 1,4-Dioxane	9.313	88	22976	869.532	ug/l #	51
51) 4-Methyl-2-Pentanone	10.069	43	570868	241.864	ug/l	94
52) Toluene	10.246	92	256790	47.161	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	158779	49.111	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	173116	49.223	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	91453	47.712	ug/l	98
56) Ethyl methacrylate	10.508	69	140527	49.474	ug/l	90
57) 1,3-Dichloropropane	10.788	76	159518	48.346	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	169578	167.260	ug/l	96
59) 2-Hexanone	10.831	43	439266	248.027	ug/l	93
60) Dibromochloromethane	10.984	129	111578	49.734	ug/l	100
61) 1,2-Dibromoethane	11.087	107	93161	47.966	ug/l	99
64) Tetrachloroethene	10.721	164	124249	49.839	ug/l	98
65) Chlorobenzene	11.514	112	277616	46.905	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	106170	49.009	ug/l	98
67) Ethyl Benzene	11.593	91	496742	46.740	ug/l	98
68) m/p-Xylenes	11.703	106	384384	93.309	ug/l	97
69) o-Xylene	12.032	106	186012	47.248	ug/l	97
70) Styrene	12.044	104	321986	48.641	ug/l	96
71) Bromoform	12.209	173	75410	49.902	ug/l #	99
73) Isopropylbenzene	12.331	105	486393	46.818	ug/l	99
74) N-amyl acetate	12.142	43	176876	50.677	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	117718	47.466	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	97561m	53.192	ug/l	
77) Bromobenzene	12.611	156	117924	47.926	ug/l	96
78) n-propylbenzene	12.672	91	594547	47.296	ug/l	100
79) 2-Chlorotoluene	12.758	91	334454	47.435	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	408692	47.032	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	42272	50.840	ug/l	96
82) 4-Chlorotoluene	12.855	91	349913	47.751	ug/l	99
83) tert-Butylbenzene	13.075	119	346924	45.582	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	409109	47.417	ug/l	98
85) sec-Butylbenzene	13.251	105	527643	46.480	ug/l	100
86) p-Isopropyltoluene	13.367	119	443733	46.638	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	230198	47.389	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	231266	47.098	ug/l	99
89) n-Butylbenzene	13.696	91	414934	46.335	ug/l	97
90) Hexachloroethane	13.959	117	82649	48.570	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	211434	47.695	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23319	47.532	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	130367	46.827	ug/l	99
94) Hexachlorobutadiene	15.111	225	65428	43.099	ug/l	98
95) Naphthalene	15.239	128	338775	49.124	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	120185	47.328	ug/l	99

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

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