

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013023\
 Data File : VY012409.D
 Acq On : 30 Jan 2023 19:41
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/31/2023
 Supervised By :Mahesh Dadoda 01/31/2023

Quant Time: Jan 31 01:49:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	156514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	233237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	221578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117546	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	63426	48.795	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.600%
35) Dibromofluoromethane	7.716	113	57257	46.362	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.720%
50) Toluene-d8	10.179	98	206891	48.194	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.380%
62) 4-Bromofluorobenzene	12.483	95	82178	47.203	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	57241	41.850	ug/l	99
3) Chloromethane	2.113	50	52527	41.600	ug/l	99
4) Vinyl Chloride	2.253	62	66674	45.239	ug/l	98
5) Bromomethane	2.650	94	55952	49.104	ug/l	97
6) Chloroethane	2.790	64	46945	48.841	ug/l	99
7) Trichlorofluoromethane	3.125	101	144056	50.081	ug/l	100
8) Diethyl Ether	3.527	74	41626	48.633	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.893	101	70576	50.413	ug/l	93
10) Methyl Iodide	4.088	142	88089	41.405	ug/l	93
11) Tert butyl alcohol	4.954	59	38396	249.368	ug/l	98
12) 1,1-Dichloroethene	3.875	96	71127	49.480	ug/l	93
13) Acrolein	3.729	56	7732	116.608	ug/l	100
14) Allyl chloride	4.479	41	83773	47.132	ug/l #	80
15) Acrylonitrile	5.155	53	95768	256.156	ug/l	100
16) Acetone	3.948	43	92567	212.396	ug/l	95
17) Carbon Disulfide	4.192	76	197040	44.315	ug/l	99
18) Methyl Acetate	4.472	43	48823	50.063	ug/l #	85
19) Methyl tert-butyl Ether	5.222	73	209433	52.265	ug/l	91
20) Methylene Chloride	4.710	84	84595	45.663	ug/l #	84
21) trans-1,2-Dichloroethene	5.222	96	80193	49.992	ug/l	89
22) Diisopropyl ether	6.118	45	176344	49.766	ug/l #	88
23) Vinyl Acetate	6.057	43	553998	250.897	ug/l #	91
24) 1,1-Dichloroethane	6.015	63	124409	50.618	ug/l	97
25) 2-Butanone	6.984	43	111935	232.645	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	133836	50.161	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	89934	51.041	ug/l	93
28) Bromochloromethane	7.332	49	23702	44.156	ug/l #	69
29) Tetrahydrofuran	7.344	42	66788	252.711	ug/l #	78
30) Chloroform	7.502	83	151476	52.209	ug/l	96
31) Cyclohexane	7.783	56	103974	45.563	ug/l #	83
32) 1,1,1-Trichloroethane	7.697	97	151649	52.797	ug/l	98
36) 1,1-Dichloropropene	7.917	75	106293	50.643	ug/l	97
37) Ethyl Acetate	7.069	43	45917	49.625	ug/l #	94
38) Carbon Tetrachloride	7.899	117	145937	53.837	ug/l	99
39) Methylcyclohexane	9.185	83	132306	51.582	ug/l	94
40) Benzene	8.161	78	311024	51.342	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	26339m	48.429	ug/l	
42) 1,2-Dichloroethane	8.234	62	104293	54.077	ug/l	98
43) Isopropyl Acetate	8.271	43	88792	51.580	ug/l #	92
44) Trichloroethene	8.941	130	95323	52.645	ug/l	91
45) 1,2-Dichloropropane	9.215	63	66026	52.233	ug/l	100
46) Dibromomethane	9.307	93	44606	52.711	ug/l	94
47) Bromodichloromethane	9.496	83	115798	54.361	ug/l	97
48) Methyl methacrylate	9.295	41	41516	52.341	ug/l	85
49) 1,4-Dioxane	9.295	88	12725	1103.555	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	243462	265.228	ug/l	94
52) Toluene	10.246	92	214756	53.243	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	119886	53.805	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	126026	52.520	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	66054	54.940	ug/l	97
56) Ethyl methacrylate	10.508	69	87092	55.215	ug/l	93
57) 1,3-Dichloropropane	10.788	76	105893	53.930	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	128388	245.993	ug/l #	87
59) 2-Hexanone	10.831	43	178052	254.772	ug/l	94
60) Dibromochloromethane	10.983	129	88033	55.205	ug/l	98
61) 1,2-Dibromoethane	11.087	107	62673	54.021	ug/l	100
64) Tetrachloroethene	10.721	164	112138	55.462	ug/l	96
65) Chlorobenzene	11.514	112	233881	51.588	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	91023	53.192	ug/l	97
67) Ethyl Benzene	11.593	91	421430	52.013	ug/l	99
68) m/p-Xylenes	11.703	106	335951	104.867	ug/l	98
69) o-Xylene	12.026	106	160587	52.481	ug/l	97
70) Styrene	12.044	104	273426	53.481	ug/l	99
71) Bromoform	12.209	173	59963	54.846	ug/l	99
73) Isopropylbenzene	12.331	105	437543	51.621	ug/l	99
74) N-amyl acetate	12.142	43	81343	48.956	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	66738	49.988	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	56697m	52.455	ug/l	
77) Bromobenzene	12.611	156	103210	50.603	ug/l	91
78) n-propylbenzene	12.672	91	500994	50.510	ug/l	98
79) 2-Chlorotoluene	12.758	91	280920	50.093	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	379266	51.472	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	26571	50.651	ug/l	95
82) 4-Chlorotoluene	12.855	91	297763	50.548	ug/l	98
83) tert-Butylbenzene	13.075	119	329870	51.365	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	376249	51.778	ug/l	99
85) sec-Butylbenzene	13.251	105	467095	51.085	ug/l	96
86) p-Isopropyltoluene	13.367	119	416487	52.134	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	206545	50.917	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	202672	50.098	ug/l	99
89) n-Butylbenzene	13.696	91	354823	51.252	ug/l	98
90) Hexachloroethane	13.959	117	74250	51.484	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	184236	50.900	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14339	51.970	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	117542	50.682	ug/l	98
94) Hexachlorobutadiene	15.111	225	71091	50.912	ug/l	100
95) Naphthalene	15.233	128	241488	52.754	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	103073	51.646	ug/l	99

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

