

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111323\
 Data File : VY016334.D
 Acq On : 13 Nov 2023 19:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

11/15/2023

Supervised By :Semsettin
 Yesilyurt

11/15/2023

Quant Time: Nov 14 04:40:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	168710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	278121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	245855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	111537	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.161	65	82310	53.381	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.760%	
35) Dibromofluoromethane	7.734	113	84790	53.668	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.340%	
50) Toluene-d8	10.197	98	326391	50.944	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.880%	
62) 4-Bromofluorobenzene	12.495	95	108716	52.246	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.500%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.912	85	71839	43.487	ug/l	98
3) Chloromethane	2.119	50	86734	44.831	ug/l	99
4) Vinyl Chloride	2.259	62	91933	44.190	ug/l	97
5) Bromomethane	2.662	94	61430	44.931	ug/l	97
6) Chloroethane	2.808	64	60800	45.801	ug/l	97
7) Trichlorofluoromethane	3.143	101	142900	47.213	ug/l	100
8) Diethyl Ether	3.546	74	48238	53.325	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.912	101	84683	46.453	ug/l	95
10) Methyl Iodide	4.107	142	96598	49.063	ug/l	98
11) Tert butyl alcohol	4.972	59	31064	257.267	ug/l #	79
12) 1,1-Dichloroethene	3.887	96	81994	48.094	ug/l	89
13) Acrolein	3.741	56	33526	230.196	ug/l	100
14) Allyl chloride	4.503	41	120644	49.867	ug/l #	93
15) Acrylonitrile	5.186	53	99428	276.964	ug/l	97
16) Acetone	3.966	43	65509	256.841	ug/l	96
17) Carbon Disulfide	4.216	76	235119	45.708	ug/l	99
18) Methyl Acetate	4.497	43	82954	61.207	ug/l #	90
19) Methyl tert-butyl Ether	5.247	73	222995	54.042	ug/l	100
20) Methylene Chloride	4.741	84	94916	52.878	ug/l	88
21) trans-1,2-Dichloroethene	5.241	96	94896	48.343	ug/l	91
22) Diisopropyl ether	6.143	45	269774	51.741	ug/l	89
23) Vinyl Acetate	6.082	43	654111	258.911	ug/l #	93
24) 1,1-Dichloroethane	6.039	63	162930	50.653	ug/l	97
25) 2-Butanone	7.009	43	119177	266.768	ug/l	94
26) 2,2-Dichloropropane	7.003	77	140418	47.965	ug/l	96
27) cis-1,2-Dichloroethene	7.009	96	107414	50.776	ug/l	91
28) Bromochloromethane	7.356	49	63266	53.144	ug/l	89
29) Tetrahydrofuran	7.368	42	83333	282.213	ug/l	90
30) Chloroform	7.527	83	171795	51.311	ug/l	96
31) Cyclohexane	7.807	56	133301	43.909	ug/l	90
32) 1,1,1-Trichloroethane	7.722	97	153030	49.862	ug/l	97
36) 1,1-Dichloropropene	7.941	75	128056	46.679	ug/l	98
37) Ethyl Acetate	7.094	43	56902	51.335	ug/l #	92
38) Carbon Tetrachloride	7.923	117	136901	48.082	ug/l	99
39) Methylcyclohexane	9.203	83	158014	46.225	ug/l	91
40) Benzene	8.179	78	378413	49.096	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.332	41	32872	58.816	ug/l	#	87
42) 1,2-Dichloroethane	8.258	62	104259	52.206	ug/l		93
43) Isopropyl Acetate	8.289	43	112364	52.442	ug/l	#	90
44) Trichloroethene	8.959	130	108052	48.779	ug/l		95
45) 1,2-Dichloropropane	9.234	63	93108	50.300	ug/l		99
46) Dibromomethane	9.325	93	52378	52.217	ug/l		98
47) Bromodichloromethane	9.514	83	131932	51.160	ug/l		97
48) Methyl methacrylate	9.307	41	64408	54.392	ug/l		88
49) 1,4-Dioxane	9.313	88	11646	1093.604	ug/l	#	46
51) 4-Methyl-2-Pentanone	10.087	43	293306	270.709	ug/l		90
52) Toluene	10.258	92	241895	49.648	ug/l		94
53) t-1,3-Dichloropropene	10.484	75	128416	51.367	ug/l		99
54) cis-1,3-Dichloropropene	9.947	75	153328	51.350	ug/l	#	88
55) 1,1,2-Trichloroethane	10.660	97	73038	52.828	ug/l		95
56) Ethyl methacrylate	10.526	69	72157	55.289	ug/l	#	83
57) 1,3-Dichloropropane	10.807	76	123896	52.572	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.801	63	251034	283.673	ug/l		92
59) 2-Hexanone	10.849	43	199338	247.345	ug/l		88
60) Dibromochloromethane	11.002	129	92029	53.224	ug/l		99
61) 1,2-Dibromoethane	11.105	107	70115	53.232	ug/l		99
64) Tetrachloroethene	10.734	164	107810	48.837	ug/l		97
65) Chlorobenzene	11.532	112	255213	48.587	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.605	131	97132	50.136	ug/l		98
67) Ethyl Benzene	11.605	91	460917	48.826	ug/l		99
68) m/p-Xylenes	11.715	106	347663	97.098	ug/l		95
69) o-Xylene	12.044	106	164712	49.547	ug/l		97
70) Styrene	12.057	104	242015	50.842	ug/l		98
71) Bromoform	12.221	173	54190	53.905	ug/l	#	99
73) Isopropylbenzene	12.343	105	443147	49.064	ug/l		100
74) N-amyl acetate	12.154	43	93246	51.397	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.593	83	76247	52.609	ug/l		98
76) 1,2,3-Trichloropropane	12.648	75	61897m	57.850	ug/l		
77) Bromobenzene	12.623	156	102961	50.438	ug/l		95
78) n-propylbenzene	12.684	91	512812	48.043	ug/l		99
79) 2-Chlorotoluene	12.770	91	288020	48.963	ug/l		99
80) 1,3,5-Trimethylbenzene	12.825	105	358099	49.175	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.392	75	26169	53.088	ug/l		93
82) 4-Chlorotoluene	12.867	91	294482	48.448	ug/l		99
83) tert-Butylbenzene	13.087	119	320340	49.943	ug/l		97
84) 1,2,4-Trimethylbenzene	13.136	105	353805	49.343	ug/l		99
85) sec-Butylbenzene	13.264	105	442870	48.330	ug/l		100
86) p-Isopropyltoluene	13.386	119	382388	48.462	ug/l		98
87) 1,3-Dichlorobenzene	13.379	146	191784	48.834	ug/l		100
88) 1,4-Dichlorobenzene	13.459	146	187137	48.757	ug/l		99
89) n-Butylbenzene	13.709	91	347515	47.691	ug/l		97
90) Hexachloroethane	13.977	117	74851	49.177	ug/l		91
91) 1,2-Dichlorobenzene	13.751	146	169992	50.513	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	11606	50.332	ug/l		85
93) 1,2,4-Trichlorobenzene	15.019	180	98682	50.237	ug/l		99
94) Hexachlorobutadiene	15.123	225	53909	47.903	ug/l		98
95) Naphthalene	15.251	128	195780	55.726	ug/l		99
96) 1,2,3-Trichlorobenzene	15.434	180	82394	50.712	ug/l		98

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

