

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120423\
 Data File : VY016586.D
 Acq On : 04 Dec 2023 18:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/05/2023
 Supervised By :Semsettin Yesilyurt 12/05/2023

Quant Time: Dec 05 01:32:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 01:24:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	219349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	330973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	289730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	141247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	99447	49.052	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.100%		
35) Dibromofluoromethane	7.734	113	99143	49.776	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.560%		
50) Toluene-d8	10.197	98	378007	50.173	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.340%		
62) 4-Bromofluorobenzene	12.495	95	127525	51.471	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	80884	41.745	ug/l	98
3) Chloromethane	2.119	50	81518	40.556	ug/l	98
4) Vinyl Chloride	2.259	62	84084	41.424	ug/l	98
5) Bromomethane	2.662	94	54312	42.715	ug/l	97
6) Chloroethane	2.808	64	53235	42.458	ug/l	93
7) Trichlorofluoromethane	3.137	101	168018	43.786	ug/l	98
8) Diethyl Ether	3.540	74	47204	44.169	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.911	101	93322	43.489	ug/l	98
10) Methyl Iodide	4.113	142	108565	47.883	ug/l	99
11) Tert butyl alcohol	4.978	59	32136	232.645	ug/l #	79
12) 1,1-Dichloroethene	3.887	96	87705	44.992	ug/l	91
13) Acrolein	3.741	56	46079	229.454	ug/l	98
14) Allyl chloride	4.503	41	134067	45.066	ug/l	97
15) Acrylonitrile	5.180	53	98235	227.738	ug/l	98
16) Acetone	3.960	43	90443	197.141	ug/l	95
17) Carbon Disulfide	4.210	76	245726	44.961	ug/l	99
18) Methyl Acetate	4.497	43	88326	48.570	ug/l	92
19) Methyl tert-butyl Ether	5.241	73	223099	46.557	ug/l	100
20) Methylene Chloride	4.741	84	99969	49.387	ug/l	91
21) trans-1,2-Dichloroethene	5.241	96	99621	45.445	ug/l	96
22) Diisopropyl ether	6.137	45	281966	46.085	ug/l	90
23) Vinyl Acetate	6.076	43	659527	224.546	ug/l	95
24) 1,1-Dichloroethane	6.039	63	168418	44.806	ug/l	97
25) 2-Butanone	7.002	43	132974	210.786	ug/l	98
26) 2,2-Dichloropropane	7.002	77	157324	44.521	ug/l	97
27) cis-1,2-Dichloroethene	7.002	96	112464	46.608	ug/l	94
28) Bromochloromethane	7.356	49	75232	49.413	ug/l	85
29) Tetrahydrofuran	7.368	42	82905	230.504	ug/l	92
30) Chloroform	7.521	83	185990	46.419	ug/l	97
31) Cyclohexane	7.801	56	143997	41.606	ug/l	94
32) 1,1,1-Trichloroethane	7.722	97	172607	45.519	ug/l	98
36) 1,1-Dichloropropene	7.935	75	135875	44.876	ug/l	98
37) Ethyl Acetate	7.094	43	56664	44.725	ug/l #	94
38) Carbon Tetrachloride	7.917	117	158218	45.139	ug/l	99
39) Methylcyclohexane	9.203	83	164041	44.968	ug/l	91
40) Benzene	8.179	78	385807	45.207	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	30205	41.280	ug/l	98
42) 1,2-Dichloroethane	8.252	62	115759	46.714	ug/l	95
43) Isopropyl Acetate	8.289	43	112706	46.114	ug/l	92
44) Trichloroethene	8.959	130	117455	45.637	ug/l	92
45) 1,2-Dichloropropane	9.234	63	93260	45.390	ug/l	91
46) Dibromomethane	9.319	93	52341	46.469	ug/l	98
47) Bromodichloromethane	9.514	83	138444	46.168	ug/l	98
48) Methyl methacrylate	9.307	41	65412	46.343	ug/l	92
49) 1,4-Dioxane	9.313	88	11175	980.196	ug/l #	57
51) 4-Methyl-2-Pentanone	10.081	43	296103	233.126	ug/l	93
52) Toluene	10.258	92	248813	46.518	ug/l	95
53) t-1,3-Dichloropropene	10.477	75	131962	46.630	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	155326	46.733	ug/l	95
55) 1,1,2-Trichloroethane	10.660	97	72977	46.512	ug/l	95
56) Ethyl methacrylate	10.526	69	69198	48.114	ug/l	90
57) 1,3-Dichloropropane	10.807	76	124049	46.801	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	231824	261.562	ug/l	92
59) 2-Hexanone	10.843	43	211719	220.347	ug/l	93
60) Dibromochloromethane	10.996	129	98039	46.765	ug/l	100
61) 1,2-Dibromoethane	11.105	107	70633	47.863	ug/l	99
64) Tetrachloroethene	10.733	164	121624	45.804	ug/l	97
65) Chlorobenzene	11.532	112	271316	46.234	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.605	131	106185	46.296	ug/l	99
67) Ethyl Benzene	11.605	91	475713	45.201	ug/l	97
68) m/p-Xylenes	11.715	106	366499	91.733	ug/l	95
69) o-Xylene	12.044	106	174812	46.870	ug/l	96
70) Styrene	12.056	104	254989	47.650	ug/l	99
71) Bromoform	12.221	173	58201	46.993	ug/l #	99
73) Isopropylbenzene	12.343	105	482805	46.162	ug/l	100
74) N-amyl acetate	12.160	43	94248	45.192	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.593	83	74879	45.012	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	60392m	47.332	ug/l	
77) Bromobenzene	12.623	156	114289	46.365	ug/l	90
78) n-propylbenzene	12.684	91	551757	45.325	ug/l	97
79) 2-Chlorotoluene	12.770	91	313485	45.698	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	392257	46.156	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	25178	44.514	ug/l	97
82) 4-Chlorotoluene	12.867	91	316660	44.611	ug/l	97
83) tert-Butylbenzene	13.087	119	356050	46.891	ug/l	98
84) 1,2,4-Trimethylbenzene	13.135	105	384841	46.360	ug/l	98
85) sec-Butylbenzene	13.263	105	481520	45.151	ug/l	97
86) p-Isopropyltoluene	13.385	119	426028	46.020	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	214778	45.645	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	211848	45.875	ug/l	99
89) n-Butylbenzene	13.709	91	385528	46.308	ug/l	96
90) Hexachloroethane	13.977	117	81890	44.957	ug/l	99
91) 1,2-Dichlorobenzene	13.751	146	184865	45.760	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	12235	45.960	ug/l	91
93) 1,2,4-Trichlorobenzene	15.019	180	107987	47.370	ug/l	99
94) Hexachlorobutadiene	15.123	225	65032	45.152	ug/l	99
95) Naphthalene	15.251	128	184036	50.118	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	87198	49.201	ug/l	99

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

