

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032024\
 Data File : VY017719.D
 Acq On : 20 Mar 2024 09:01
 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 :Mahesh Dadoda 03/21/2024
 Supervised By :Semsettin Yesilyurt 03/21/2024

Quant Time: Mar 21 03:10:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	145914	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	230586	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.508	117	200593	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	93317	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	51086	36.942	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	73.880%		
35) Dibromofluoromethane	7.734	113	60659	37.752	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	75.500%		
50) Toluene-d8	10.197	98	227491	40.494	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	80.980%		
62) 4-Bromofluorobenzene	12.495	95	70260	39.794	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	49433	45.927	ug/l	99
3) Chloromethane	2.125	50	89048	45.280	ug/l	99
4) Vinyl Chloride	2.260	62	119108	47.209	ug/l	99
5) Bromomethane	2.668	94	96601	46.984	ug/l	98
6) Chloroethane	2.808	64	81410	51.150	ug/l	100
7) Trichlorofluoromethane	3.137	101	112367	43.699	ug/l	95
8) Diethyl Ether	3.546	74	34303	45.483	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.918	101	72636	49.110	ug/l	99
10) Methyl Iodide	4.113	142	86435	52.073	ug/l	100
11) Tert butyl alcohol	4.966	59	18134	154.376	ug/l #	84
12) 1,1-Dichloroethene	3.893	96	68811	49.921	ug/l	97
13) Acrolein	3.747	56	19255	124.231	ug/l	100
14) Allyl chloride	4.503	41	86769	52.098	ug/l	97
15) Acrylonitrile	5.186	53	66859	215.652	ug/l	100
16) Acetone	3.960	43	75054	279.821	ug/l	96
17) Carbon Disulfide	4.216	76	212092	51.263	ug/l	97
18) Methyl Acetate	4.497	43	30348	46.637	ug/l	98
19) Methyl tert-butyl Ether	5.247	73	147794	46.002	ug/l	99
20) Methylene Chloride	4.741	84	79361	50.405	ug/l	97
21) trans-1,2-Dichloroethene	5.241	96	82534	51.139	ug/l	97
22) Diisopropyl ether	6.137	45	198917	51.757	ug/l	97
23) Vinyl Acetate	6.082	43	553295	241.593	ug/l	99
24) 1,1-Dichloroethane	6.039	63	135932	51.770	ug/l	100
25) 2-Butanone	7.009	43	95777	250.562	ug/l	98
26) 2,2-Dichloropropane	7.003	77	116613	52.824	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	92399	50.991	ug/l	100
28) Bromochloromethane	7.356	49	57732	55.829	ug/l	98
29) Tetrahydrofuran	7.368	42	48753	211.581	ug/l	99
30) Chloroform	7.527	83	142704	51.048	ug/l	98
31) Cyclohexane	7.807	56	115610	51.371	ug/l	99
32) 1,1,1-Trichloroethane	7.722	97	122870	50.626	ug/l	99
36) 1,1-Dichloropropene	7.935	75	112107	51.712	ug/l	99
37) Ethyl Acetate	7.094	43	35092	40.983	ug/l	98
38) Carbon Tetrachloride	7.923	117	110841	51.014	ug/l	98
39) Methylcyclohexane	9.203	83	138333	53.095	ug/l	98
40) Benzene	8.179	78	328135	50.967	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	20582	47.901	ug/l	94
42) 1,2-Dichloroethane	8.258	62	75367	47.980	ug/l	100
43) Isopropyl Acetate	8.289	43	65531	43.552	ug/l	98
44) Trichloroethene	8.960	130	90155	48.584	ug/l	97
45) 1,2-Dichloropropane	9.234	63	77484	50.586	ug/l	99
46) Dibromomethane	9.319	93	40992	46.762	ug/l	100
47) Bromodichloromethane	9.514	83	105892	49.750	ug/l	98
48) Methyl methacrylate	9.307	41	31672	45.475	ug/l	98
49) 1,4-Dioxane	9.319	88	7792	785.424	ug/l #	97
51) 4-Methyl-2-Pentanone	10.087	43	181182	216.056	ug/l	100
52) Toluene	10.258	92	207573	51.143	ug/l	100
53) t-1,3-Dichloropropene	10.484	75	96333	48.761	ug/l	95
54) cis-1,3-Dichloropropene	9.947	75	120337	50.129	ug/l	98
55) 1,1,2-Trichloroethane	10.660	97	57294	46.033	ug/l	97
56) Ethyl methacrylate	10.526	69	63615	41.976	ug/l	99
57) 1,3-Dichloropropane	10.807	76	94158	46.530	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	200680	279.416	ug/l	100
59) 2-Hexanone	10.849	43	140798	244.438	ug/l	100
60) Dibromochloromethane	11.002	129	69808	47.411	ug/l	98
61) 1,2-Dibromoethane	11.105	107	52657	45.909	ug/l	98
64) Tetrachloroethene	10.734	164	90337	46.920	ug/l	99
65) Chlorobenzene	11.532	112	213868	50.231	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	78622	49.290	ug/l	99
67) Ethyl Benzene	11.611	91	394651	52.853	ug/l	98
68) m/p-Xylenes	11.715	106	310456	105.810	ug/l	99
69) o-Xylene	12.044	106	144053	52.921	ug/l	97
70) Styrene	12.057	104	233279	51.629	ug/l	99
71) Bromoform	12.221	173	39403	44.578	ug/l #	98
73) Isopropylbenzene	12.343	105	376837	54.355	ug/l	100
74) N-amyl acetate	12.160	43	55364	45.278	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.599	83	57001	47.879	ug/l	100
76) 1,2,3-Trichloropropane	12.648	75	35504m	40.043	ug/l	
77) Bromobenzene	12.624	156	82542	49.164	ug/l	98
78) n-propylbenzene	12.684	91	457201	54.961	ug/l	100
79) 2-Chlorotoluene	12.770	91	245400	52.690	ug/l	100
80) 1,3,5-Trimethylbenzene	12.825	105	299400	53.904	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	17828	46.202	ug/l	98
82) 4-Chlorotoluene	12.867	91	247087	51.868	ug/l	98
83) tert-Butylbenzene	13.087	119	269005	55.154	ug/l	97
84) 1,2,4-Trimethylbenzene	13.136	105	294230	53.657	ug/l	99
85) sec-Butylbenzene	13.270	105	404037	54.183	ug/l	100
86) p-Isopropyltoluene	13.386	119	331971	54.383	ug/l	100
87) 1,3-Dichlorobenzene	13.379	146	167378	49.668	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	160403	48.959	ug/l	99
89) n-Butylbenzene	13.709	91	304815	54.730	ug/l	99
90) Hexachloroethane	13.977	117	63104	51.564	ug/l	99
91) 1,2-Dichlorobenzene	13.751	146	139783	49.038	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	6648	39.721	ug/l	99
93) 1,2,4-Trichlorobenzene	15.019	180	69599	46.225	ug/l	99
94) Hexachlorobutadiene	15.123	225	43807	47.125	ug/l	99
95) Naphthalene	15.251	128	108151	38.083	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	57204	44.287	ug/l	99

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

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