

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022224\
 Data File : VY017452.D
 Acq On : 22 Feb 2024 11:51
 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 02/23/2024
 Supervised By :Semsettin Yesilyurt 02/23/2024

Quant Time: Feb 23 00:27:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	174881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	266766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	231441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	108104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	68752	46.019	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.040%		
35) Dibromofluoromethane	7.728	113	80662	51.655	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.320%		
50) Toluene-d8	10.191	98	312574	51.612	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.220%		
62) 4-Bromofluorobenzene	12.489	95	95127	47.196	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.400%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	65103	46.685	ug/l	98
3) Chloromethane	2.119	50	116595	40.968	ug/l	100
4) Vinyl Chloride	2.253	62	152045	41.033	ug/l	99
5) Bromomethane	2.662	94	116742	42.404	ug/l	100
6) Chloroethane	2.802	64	97242	41.196	ug/l	99
7) Trichlorofluoromethane	3.131	101	152763	48.071	ug/l	99
8) Diethyl Ether	3.540	74	46751	52.050	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	93881	51.111	ug/l	100
10) Methyl Iodide	4.107	142	119022	60.889	ug/l	98
11) Tert butyl alcohol	4.966	59	29146	250.904	ug/l #	85
12) 1,1-Dichloroethene	3.881	96	89952	52.102	ug/l	97
13) Acrolein	3.735	56	48064	309.193	ug/l	99
14) Allyl chloride	4.491	41	107246	51.250	ug/l	97
15) Acrylonitrile	5.180	53	89989	252.004	ug/l	99
16) Acetone	3.954	43	91262	282.061	ug/l	100
17) Carbon Disulfide	4.204	76	282689	51.540	ug/l	99
18) Methyl Acetate	4.491	43	37784	51.498	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	198093	50.796	ug/l	99
20) Methylene Chloride	4.729	84	101982	51.480	ug/l	95
21) trans-1,2-Dichloroethene	5.235	96	108192	54.181	ug/l	95
22) Diisopropyl ether	6.131	45	245500	51.008	ug/l	97
23) Vinyl Acetate	6.076	43	718442	251.171	ug/l	98
24) 1,1-Dichloroethane	6.033	63	166154	50.920	ug/l	99
25) 2-Butanone	6.996	43	118229	260.318	ug/l	100
26) 2,2-Dichloropropane	6.996	77	147109	52.394	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	117714	53.075	ug/l	99
28) Bromochloromethane	7.344	49	64171	52.415	ug/l	92
29) Tetrahydrofuran	7.356	42	66085	247.521	ug/l	97
30) Chloroform	7.521	83	178124	51.711	ug/l	99
31) Cyclohexane	7.795	56	142864	48.305	ug/l	97
32) 1,1,1-Trichloroethane	7.716	97	157724	51.841	ug/l	99
36) 1,1-Dichloropropene	7.929	75	139137	53.350	ug/l	99
37) Ethyl Acetate	7.088	43	47025	49.519	ug/l #	96
38) Carbon Tetrachloride	7.911	117	142420	54.849	ug/l	97
39) Methylcyclohexane	9.197	83	175478	54.968	ug/l	99
40) Benzene	8.173	78	414728	54.428	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	23839	51.403	ug/l	93
42) 1,2-Dichloroethane	8.246	62	95642	51.710	ug/l	98
43) Isopropyl Acetate	8.283	43	89423	52.108	ug/l	99
44) Trichloroethene	8.947	130	116286	56.302	ug/l	100
45) 1,2-Dichloropropane	9.228	63	94046	53.394	ug/l	99
46) Dibromomethane	9.313	93	53411	53.350	ug/l	96
47) Bromodichloromethane	9.508	83	132501	53.830	ug/l	97
48) Methyl methacrylate	9.301	41	41309	51.305	ug/l	95
49) 1,4-Dioxane	9.307	88	11426	1091.206	ug/l #	98
51) 4-Methyl-2-Pentanone	10.081	43	242168	261.892	ug/l	98
52) Toluene	10.252	92	266717	56.069	ug/l	99
53) t-1,3-Dichloropropene	10.478	75	126167	55.355	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	152636	54.584	ug/l	98
55) 1,1,2-Trichloroethane	10.654	97	74421	54.027	ug/l	97
56) Ethyl methacrylate	10.520	69	86681	49.881	ug/l	97
57) 1,3-Dichloropropane	10.801	76	122322	53.670	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	223245	271.241	ug/l	97
59) 2-Hexanone	10.843	43	174173	273.464	ug/l	97
60) Dibromochloromethane	10.996	129	90968	55.554	ug/l	99
61) 1,2-Dibromoethane	11.099	107	70340	54.581	ug/l	100
64) Tetrachloroethene	10.727	164	102469	55.322	ug/l	99
65) Chlorobenzene	11.526	112	275388	55.233	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	103303	55.638	ug/l	99
67) Ethyl Benzene	11.599	91	506274	56.774	ug/l	98
68) m/p-Xylenes	11.709	106	395415	112.798	ug/l	99
69) o-Xylene	12.038	106	184379	57.332	ug/l	98
70) Styrene	12.050	104	304014	57.557	ug/l	98
71) Bromoform	12.215	173	54364	56.276	ug/l #	97
73) Isopropylbenzene	12.337	105	481466	57.658	ug/l	100
74) N-amyl acetate	12.154	43	76275	52.460	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	79597	53.334	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	49705m	47.421	ug/l	
77) Bromobenzene	12.617	156	110128	56.233	ug/l	95
78) n-propylbenzene	12.678	91	576764	57.104	ug/l	99
79) 2-Chlorotoluene	12.764	91	312243	56.144	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	382300	57.238	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	24508	54.516	ug/l	98
82) 4-Chlorotoluene	12.861	91	315268	54.934	ug/l	97
83) tert-Butylbenzene	13.087	119	343270	58.856	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	380058	57.437	ug/l	100
85) sec-Butylbenzene	13.264	105	509544	56.881	ug/l	100
86) p-Isopropyltoluene	13.379	119	426810	57.847	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	219062	55.388	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	209337	54.818	ug/l	99
89) n-Butylbenzene	13.703	91	383148	57.097	ug/l	99
90) Hexachloroethane	13.971	117	79439	54.947	ug/l	96
91) 1,2-Dichlorobenzene	13.745	146	180302	54.161	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	9445	50.069	ug/l	95
93) 1,2,4-Trichlorobenzene	15.019	180	94002	54.004	ug/l	99
94) Hexachlorobutadiene	15.123	225	58022	54.807	ug/l	99
95) Naphthalene	15.245	128	151833	47.179	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	76308	52.145	ug/l	100

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

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