

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016727.D
 Acq On : 20 Dec 2023 16:10
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/21/2023
 Supervised By :Semsettin Yesilyurt 12/21/2023

Quant Time: Dec 21 00:52:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 00:33:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	167885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	278992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	239660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	103402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	87861	57.328	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.660%			
35) Dibromofluoromethane	7.728	113	92372	57.800	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.600%			
50) Toluene-d8	10.191	98	337379	58.562	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 117.120%			
62) 4-Bromofluorobenzene	12.489	95	108259	57.921	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 115.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	59209	41.268	ug/l	100
3) Chloromethane	2.119	50	91541	41.508	ug/l	100
4) Vinyl Chloride	2.259	62	109041	43.774	ug/l	100
5) Bromomethane	2.662	94	73078	41.189	ug/l	100
6) Chloroethane	2.808	64	72362	42.870	ug/l	100
7) Trichlorofluoromethane	3.137	101	126040	43.434	ug/l	100
8) Diethyl Ether	3.540	74	41653	44.871	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.911	101	78001	43.819	ug/l	100
10) Methyl Iodide	4.106	142	85937	46.329	ug/l	100
11) Tert butyl alcohol	4.966	59	27406	218.339	ug/l	100
12) 1,1-Dichloroethene	3.887	96	71082	44.849	ug/l	100
13) Acrolein	3.741	56	25555	221.855	ug/l	100
14) Allyl chloride	4.497	41	110831	45.655	ug/l	100
15) Acrylonitrile	5.179	53	93986	239.079	ug/l	100
16) Acetone	3.960	43	82646	199.418	ug/l	100
17) Carbon Disulfide	4.210	76	199554	46.274	ug/l	100
18) Methyl Acetate	4.497	43	84549	52.203	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	186820	45.811	ug/l	100
20) Methylene Chloride	4.734	84	88743	41.677	ug/l	100
21) trans-1,2-Dichloroethene	5.240	96	82118	45.429	ug/l	100
22) Diisopropyl ether	6.131	45	252570	45.988	ug/l	100
23) Vinyl Acetate	6.076	43	593566	228.513	ug/l	100
24) 1,1-Dichloroethane	6.033	63	148559	45.029	ug/l	100
25) 2-Butanone	6.996	43	122320	214.370	ug/l	100
26) 2,2-Dichloropropane	6.996	77	126418	43.910	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	94729	45.535	ug/l	100
28) Bromochloromethane	7.350	49	72228	55.314	ug/l	100
29) Tetrahydrofuran	7.362	42	76193	244.205	ug/l	100
30) Chloroform	7.521	83	150429	44.540	ug/l	100
31) Cyclohexane	7.801	56	127039	43.263	ug/l	100
32) 1,1,1-Trichloroethane	7.716	97	131372	44.313	ug/l	100
36) 1,1-Dichloropropene	7.929	75	116194	45.352	ug/l	100
37) Ethyl Acetate	7.088	43	52828	47.112	ug/l	100
38) Carbon Tetrachloride	7.917	117	113712	44.852	ug/l	100
39) Methylcyclohexane	9.191	83	137583	46.511	ug/l	100
40) Benzene	8.173	78	340080	45.613	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	30837	52.889	ug/l	100
42) 1,2-Dichloroethane	8.252	62	90932	46.748	ug/l	100
43) Isopropyl Acetate	8.283	43	99904	46.840	ug/l	100
44) Trichloroethene	8.947	130	85881	45.131	ug/l	100
45) 1,2-Dichloropropane	9.228	63	84806	45.345	ug/l	100
46) Dibromomethane	9.313	93	44349	45.902	ug/l	100
47) Bromodichloromethane	9.508	83	115414	45.322	ug/l	100
48) Methyl methacrylate	9.301	41	57125	47.752	ug/l	100
49) 1,4-Dioxane	9.313	88	8960	955.475	ug/l	100
51) 4-Methyl-2-Pentanone	10.081	43	274180	241.268	ug/l	100
52) Toluene	10.252	92	207537	46.450	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	109390	47.110	ug/l	100
54) cis-1,3-Dichloropropene	9.941	75	130167	46.475	ug/l	100
55) 1,1,2-Trichloroethane	10.654	97	63371	45.971	ug/l	100
56) Ethyl methacrylate	10.520	69	59279	48.904	ug/l	100
57) 1,3-Dichloropropane	10.800	76	109216	46.645	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	222685	228.383	ug/l	100
59) 2-Hexanone	10.843	43	192505	227.178	ug/l	100
60) Dibromochloromethane	10.996	129	73050	45.809	ug/l	100
61) 1,2-Dibromoethane	11.099	107	57640	46.626	ug/l	100
64) Tetrachloroethene	10.727	164	66029	44.352	ug/l	100
65) Chlorobenzene	11.526	112	211361	44.888	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	79355	44.792	ug/l	100
67) Ethyl Benzene	11.599	91	391664	45.192	ug/l	100
68) m/p-Xylenes	11.709	106	292599	91.427	ug/l	100
69) o-Xylene	12.038	106	135867	46.275	ug/l	100
70) Styrene	12.050	104	203191	46.769	ug/l	100
71) Bromoform	12.215	173	40603	45.970	ug/l #	100
73) Isopropylbenzene	12.337	105	368892	45.808	ug/l	100
74) N-amyl acetate	12.154	43	78543	46.341	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.593	83	72512	45.059	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	45972m	40.156	ug/l	
77) Bromobenzene	12.617	156	79332	45.156	ug/l	100
78) n-propylbenzene	12.678	91	449202	46.039	ug/l	100
79) 2-Chlorotoluene	12.763	91	245861	45.538	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	295339	46.330	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.385	75	22041	45.284	ug/l	100
82) 4-Chlorotoluene	12.861	91	251432	45.395	ug/l	100
83) tert-Butylbenzene	13.087	119	258904	46.692	ug/l	100
84) 1,2,4-Trimethylbenzene	13.129	105	292853	46.589	ug/l	100
85) sec-Butylbenzene	13.263	105	376177	45.803	ug/l	100
86) p-Isopropyltoluene	13.379	119	316505	46.275	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	152389	44.385	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	150702	44.952	ug/l	100
89) n-Butylbenzene	13.702	91	306441	46.869	ug/l	100
90) Hexachloroethane	13.971	117	62470	43.862	ug/l	100
91) 1,2-Dichlorobenzene	13.751	146	133161	45.526	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.367	75	9391	45.018	ug/l	100
93) 1,2,4-Trichlorobenzene	15.019	180	72278	46.571	ug/l	100
94) Hexachlorobutadiene	15.123	225	40435	45.870	ug/l	100
95) Naphthalene	15.245	128	142040	43.052	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	63025	47.681	ug/l	100

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

