

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060123\
 Data File : VY013957.D
 Acq On : 01 Jun 2023 11:28
 Operator : KP/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/02/2023
 Supervised By :Mahesh Dadoda 06/02/2023

Quant Time: Jun 02 06:45:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 06:43:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	245901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	397064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	364445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	182140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	33634	10.333	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.660%#		
35) Dibromofluoromethane	7.716	113	24670	9.777	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.560%#		
50) Toluene-d8	10.179	98	96174	9.992	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.980%#		
62) 4-Bromofluorobenzene	12.477	95	31672	9.652	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.300%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21025	9.717	ug/l	97
3) Chloromethane	2.113	50	31290	10.442	ug/l	96
4) Vinyl Chloride	2.247	62	26835	9.667	ug/l	99
5) Bromomethane	2.656	94	24130	9.982	ug/l	100
6) Chloroethane	2.790	64	19933	10.033	ug/l	95
7) Trichlorofluoromethane	3.125	101	42946	9.786	ug/l	99
8) Diethyl Ether	3.527	74	17352	10.086	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	21520	9.546	ug/l	99
10) Methyl Iodide	4.088	142	28781	9.263	ug/l	97
11) Tert butyl alcohol	4.924	59	39348	58.816	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	23503	9.943	ug/l	90
13) Acrolein	3.729	56	17108	55.842	ug/l	100
14) Allyl chloride	4.479	41	45008	9.812	ug/l	99
15) Acrylonitrile	5.167	53	44725	46.846	ug/l	99
16) Acetone	3.954	43	51269	46.035	ug/l	93
17) Carbon Disulfide	4.192	76	80975	10.131	ug/l	97
18) Methyl Acetate	4.479	43	36336	9.031	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	74010	9.678	ug/l	98
20) Methylene Chloride	4.710	84	39772	10.008	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	27183	10.153	ug/l	95
22) Diisopropyl ether	6.118	45	87383	9.827	ug/l	97
23) Vinyl Acetate	6.057	43	258662	46.379	ug/l	99
24) 1,1-Dichloroethane	6.015	63	50786	10.233	ug/l	99
25) 2-Butanone	6.990	43	63336	45.650	ug/l	95
26) 2,2-Dichloropropane	6.978	77	44869	9.961	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	31142	10.159	ug/l	99
28) Bromochloromethane	7.332	49	24790	10.576	ug/l	97
29) Tetrahydrofuran	7.350	42	39501	45.783	ug/l	99
30) Chloroform	7.502	83	53811	10.326	ug/l	99
31) Cyclohexane	7.783	56	37731	9.626	ug/l #	86
32) 1,1,1-Trichloroethane	7.697	97	43040	9.737	ug/l	96
36) 1,1-Dichloropropene	7.911	75	34962	9.725	ug/l	99
37) Ethyl Acetate	7.069	43	28673	9.148	ug/l	99
38) Carbon Tetrachloride	7.893	117	39157	9.720	ug/l	97
39) Methylcyclohexane	9.179	83	33672	8.773	ug/l	98
40) Benzene	8.161	78	111901	10.090	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	15184m	10.481	ug/l	
42) 1,2-Dichloroethane	8.234	62	41334	10.164	ug/l	97
43) Isopropyl Acetate	8.271	43	48588	9.206	ug/l	98
44) Trichloroethene	8.935	130	29384	10.118	ug/l	93
45) 1,2-Dichloropropane	9.215	63	28352	9.907	ug/l	94
46) Dibromomethane	9.301	93	18284	9.979	ug/l	98
47) Bromodichloromethane	9.496	83	41613	10.082	ug/l #	96
48) Methyl methacrylate	9.295	41	22312	9.288	ug/l	100
49) 1,4-Dioxane	9.313	88	4716m	176.995	ug/l	
51) 4-Methyl-2-Pentanone	10.069	43	135813	45.560	ug/l	99
52) Toluene	10.240	92	69259	10.194	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	43379	9.784	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	47062	9.942	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	23950	9.915	ug/l	98
56) Ethyl methacrylate	10.508	69	31967	9.217	ug/l	97
57) 1,3-Dichloropropane	10.788	76	40351	9.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	49075	49.207	ug/l	99
59) 2-Hexanone	10.831	43	95649	44.312	ug/l	97
60) Dibromochloromethane	10.983	129	30361	9.945	ug/l	100
61) 1,2-Dibromoethane	11.087	107	24116	9.937	ug/l	95
64) Tetrachloroethene	10.715	164	24713	9.898	ug/l	96
65) Chlorobenzene	11.514	112	76179	10.189	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	29844	10.253	ug/l	99
67) Ethyl Benzene	11.593	91	128922	9.962	ug/l	99
68) m/p-Xylenes	11.703	106	98943	20.015	ug/l	98
69) o-Xylene	12.026	106	47091	9.941	ug/l	99
70) Styrene	12.044	104	79513	9.773	ug/l	99
71) Bromoform	12.209	173	21288	9.920	ug/l #	100
73) Isopropylbenzene	12.331	105	115544	9.611	ug/l	100
74) N-amyl acetate	12.142	43	41154	8.923	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	30672	9.762	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	22825m	9.294	ug/l	
77) Bromobenzene	12.605	156	33184	10.211	ug/l	99
78) n-propylbenzene	12.672	91	142493	9.671	ug/l	100
79) 2-Chlorotoluene	12.758	91	87130	9.989	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	100839	9.787	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	10604	9.178	ug/l	94
82) 4-Chlorotoluene	12.855	91	92335	10.065	ug/l	100
83) tert-Butylbenzene	13.075	119	84725	9.819	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	102686	9.978	ug/l	100
85) sec-Butylbenzene	13.251	105	121031	9.646	ug/l	99
86) p-Isopropyltoluene	13.367	119	104164	9.835	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	64117	10.389	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	64620	10.350	ug/l	97
89) n-Butylbenzene	13.696	91	93571	9.363	ug/l	99
90) Hexachloroethane	13.959	117	22810	10.262	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	59150	10.403	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5659	9.338	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	33519	9.590	ug/l	96
94) Hexachlorobutadiene	15.111	225	18109	9.727	ug/l	98
95) Naphthalene	15.233	128	65828	11.022	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	30683	9.638	ug/l	99

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

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