

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
 Data File : VY012755.D
 Acq On : 02 Mar 2023 13:02
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/03/2023
 Supervised By :Mahesh Dadoda 03/03/2023

Quant Time: Mar 03 01:00:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 00:58:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	122365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	188259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	168021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	24960	20.544	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.080%#		
35) Dibromofluoromethane	7.716	113	23230	20.446	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.900%#		
50) Toluene-d8	10.179	98	86731	20.881	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	41.760%#		
62) 4-Bromofluorobenzene	12.483	95	28793	20.538	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	41.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	26062	21.609	ug/l	99
3) Chloromethane	2.113	50	29917	20.749	ug/l	97
4) Vinyl Chloride	2.253	62	26928	20.366	ug/l	100
5) Bromomethane	2.637	94	15933	19.832	ug/l	96
6) Chloroethane	2.784	64	15730	19.865	ug/l	94
7) Trichlorofluoromethane	3.125	101	44283	20.165	ug/l	92
8) Diethyl Ether	3.527	74	14707	19.111	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	26431	20.005	ug/l	100
10) Methyl Iodide	4.088	142	34121	19.821	ug/l	99
11) Tert butyl alcohol	4.954	59	14743	92.847	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	25671	20.373	ug/l	95
13) Acrolein	3.723	56	20955	98.448	ug/l	99
14) Allyl chloride	4.478	41	45581	19.583	ug/l	99
15) Acrylonitrile	5.155	53	39493	97.398	ug/l	98
16) Acetone	3.942	43	42123	88.333	ug/l	98
17) Carbon Disulfide	4.192	76	86510	20.170	ug/l	100
18) Methyl Acetate	4.478	43	27512	19.373	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	64530	19.826	ug/l	94
20) Methylene Chloride	4.710	84	34962	20.899	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	27558	20.125	ug/l	93
22) Diisopropyl ether	6.118	45	87083	20.598	ug/l	99
23) Vinyl Acetate	6.057	43	262528	99.942	ug/l	99
24) 1,1-Dichloroethane	6.015	63	48374	20.080	ug/l	99
25) 2-Butanone	6.984	43	55734	94.362	ug/l	98
26) 2,2-Dichloropropane	6.984	77	42397	19.815	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	29350	19.992	ug/l	99
28) Bromochloromethane	7.332	49	18325	20.815	ug/l	98
29) Tetrahydrofuran	7.344	42	35060	98.420	ug/l	99
30) Chloroform	7.508	83	47998	20.171	ug/l	100
31) Cyclohexane	7.783	56	45994	19.767	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	42645	19.817	ug/l	99
36) 1,1-Dichloropropene	7.917	75	38797	20.377	ug/l	98
37) Ethyl Acetate	7.069	43	23646	19.705	ug/l	98
38) Carbon Tetrachloride	7.899	117	39944	20.316	ug/l	99
39) Methylcyclohexane	9.185	83	45235	19.984	ug/l	98
40) Benzene	8.161	78	108666	20.177	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	12353m	19.634	ug/l	
42) 1,2-Dichloroethane	8.234	62	32692	20.190	ug/l	99
43) Isopropyl Acetate	8.270	43	41836	19.541	ug/l	99
44) Trichloroethene	8.941	130	28700	20.212	ug/l	100
45) 1,2-Dichloropropane	9.215	63	27674	20.332	ug/l	97
46) Dibromomethane	9.301	93	15601	20.119	ug/l	98
47) Bromodichloromethane	9.496	83	36826	20.153	ug/l	99
48) Methyl methacrylate	9.289	41	19336	19.601	ug/l	99
49) 1,4-Dioxane	9.295	88	4056	404.618	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	115170	99.170	ug/l	100
52) Toluene	10.246	92	66525	20.482	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	38195	19.928	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	43525	20.063	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	21925	20.303	ug/l	97
56) Ethyl methacrylate	10.508	69	27919	19.389	ug/l	99
57) 1,3-Dichloropropane	10.788	76	37010	20.122	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	76541	101.258	ug/l	99
59) 2-Hexanone	10.831	43	83851	99.345	ug/l	99
60) Dibromochloromethane	10.983	129	26613	20.245	ug/l	97
61) 1,2-Dibromoethane	11.087	107	20398	19.609	ug/l	98
64) Tetrachloroethene	10.721	164	24845	20.310	ug/l	96
65) Chlorobenzene	11.514	112	71277	20.213	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	26088	19.993	ug/l	99
67) Ethyl Benzene	11.593	91	123669	19.947	ug/l	100
68) m/p-Xylenes	11.703	106	97022	40.679	ug/l	100
69) o-Xylene	12.032	106	44778	20.116	ug/l	98
70) Styrene	12.044	104	74939	20.174	ug/l	99
71) Bromoform	12.209	173	16621	19.536	ug/l #	100
73) Isopropylbenzene	12.331	105	119782	19.713	ug/l	100
74) N-amyl acetate	12.142	43	36501	19.092	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	27084	19.829	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	19420m	18.968	ug/l	
77) Bromobenzene	12.611	156	29087	19.705	ug/l	97
78) n-propylbenzene	12.672	91	147763	19.724	ug/l	100
79) 2-Chlorotoluene	12.757	91	83042	19.945	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	100756	20.093	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9535	19.297	ug/l	96
82) 4-Chlorotoluene	12.855	91	85461	19.829	ug/l	100
83) tert-Butylbenzene	13.075	119	86421	19.967	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	99161	20.223	ug/l	100
85) sec-Butylbenzene	13.251	105	132814	20.115	ug/l	99
86) p-Isopropyltoluene	13.367	119	110571	20.490	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	57459	20.183	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	58387	20.095	ug/l	99
89) n-Butylbenzene	13.696	91	102766	19.892	ug/l	100
90) Hexachloroethane	13.958	117	22444	19.969	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	51297	19.932	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4295	19.457	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	31344	19.781	ug/l	97
94) Hexachlorobutadiene	15.111	225	19159	19.824	ug/l	97
95) Naphthalene	15.239	128	59752	18.818	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	27314	19.382	ug/l	99

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

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