

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
 Data File : VY016077.D
 Acq On : 26 Oct 2023 12:22
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/27/2023
 Supervised By :Semsettin Yesilyurt 10/27/2023

Quant Time: Oct 27 03:57:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 03:53:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	201683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	324636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	287178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	141887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	42980	21.431	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	42.860%#		
35) Dibromofluoromethane	7.716	113	43705	21.326	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	42.660%#		
50) Toluene-d8	10.179	98	161628	21.291	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	42.580%#		
62) 4-Bromofluorobenzene	12.477	95	54343	20.869	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	41.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	28029	20.137	ug/l	98
3) Chloromethane	2.113	50	34875	20.447	ug/l	100
4) Vinyl Chloride	2.247	62	39256	20.147	ug/l	98
5) Bromomethane	2.631	94	29947	20.677	ug/l	92
6) Chloroethane	2.784	64	27378	20.513	ug/l	99
7) Trichlorofluoromethane	3.119	101	65128	20.887	ug/l	96
8) Diethyl Ether	3.528	74	21924	20.978	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.900	101	39282	20.883	ug/l	96
10) Methyl Iodide	4.088	142	49774	20.709	ug/l	96
11) Tert butyl alcohol	4.942	59	33597	139.287	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	36289	21.057	ug/l	90
13) Acrolein	3.723	56	27914	111.755	ug/l	98
14) Allyl chloride	4.473	41	56039	20.801	ug/l	92
15) Acrylonitrile	5.155	53	53783	104.901	ug/l	99
16) Acetone	3.948	43	57771	106.280	ug/l #	89
17) Carbon Disulfide	4.192	76	99629	20.899	ug/l	98
18) Methyl Acetate	4.473	43	39801	20.710	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	101151	20.581	ug/l	99
20) Methylene Chloride	4.710	84	50997	20.676	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	41786	20.917	ug/l	95
22) Diisopropyl ether	6.119	45	123267	20.925	ug/l	91
23) Vinyl Acetate	6.058	43	332718	105.415	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	74231	20.916	ug/l	97
25) 2-Butanone	6.984	43	78579	107.109	ug/l	94
26) 2,2-Dichloropropane	6.978	77	66999	20.307	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	48590	20.711	ug/l	93
28) Bromochloromethane	7.332	49	30586	21.066	ug/l	93
29) Tetrahydrofuran	7.344	42	45153	107.269	ug/l	92
30) Chloroform	7.503	83	78877	21.039	ug/l	98
31) Cyclohexane	7.783	56	64305	20.382	ug/l	87
32) 1,1,1-Trichloroethane	7.698	97	70456	20.951	ug/l	98
36) 1,1-Dichloropropene	7.917	75	58878	20.610	ug/l	99
37) Ethyl Acetate	7.070	43	31114	21.249	ug/l #	95
38) Carbon Tetrachloride	7.899	117	62389	20.652	ug/l	96
39) Methylcyclohexane	9.179	83	71596	20.572	ug/l	95
40) Benzene	8.161	78	168694	20.857	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	16829m	21.961	ug/l	
42) 1,2-Dichloroethane	8.234	62	49380	21.129	ug/l	93
43) Isopropyl Acetate	8.271	43	57402	20.967	ug/l	93
44) Trichloroethene	8.935	130	47895	21.207	ug/l	97
45) 1,2-Dichloropropane	9.216	63	42669	20.844	ug/l	97
46) Dibromomethane	9.301	93	25651	21.371	ug/l	97
47) Bromodichloromethane	9.496	83	61105	21.050	ug/l	99
48) Methyl methacrylate	9.289	41	26181	20.757	ug/l	87
49) 1,4-Dioxane	9.295	88	6619	440.769	ug/l #	65
51) 4-Methyl-2-Pentanone	10.069	43	156047	108.019	ug/l	93
52) Toluene	10.240	92	108337	20.859	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	62030	20.897	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	69967	20.843	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	36301	21.286	ug/l	96
56) Ethyl methacrylate	10.508	69	46099	21.034	ug/l #	85
57) 1,3-Dichloropropane	10.789	76	60135	21.095	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	120852	110.764	ug/l	94
59) 2-Hexanone	10.831	43	115712	108.736	ug/l	89
60) Dibromochloromethane	10.984	129	43701	20.926	ug/l	98
61) 1,2-Dibromoethane	11.087	107	34693	21.245	ug/l	97
64) Tetrachloroethene	10.721	164	39917	21.004	ug/l	94
65) Chlorobenzene	11.514	112	120326	21.321	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	43740	20.754	ug/l	96
67) Ethyl Benzene	11.593	91	209747	20.924	ug/l	98
68) m/p-Xylenes	11.703	106	164522	42.411	ug/l	95
69) o-Xylene	12.026	106	78457	21.126	ug/l	94
70) Styrene	12.044	104	130942	21.152	ug/l	96
71) Bromoform	12.209	173	26786	20.865	ug/l #	99
73) Isopropylbenzene	12.331	105	207825	20.813	ug/l	100
74) N-amyl acetate	12.142	43	50776	20.854	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	42923	21.028	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	29790m	20.424	ug/l	
77) Bromobenzene	12.605	156	48857	20.965	ug/l	97
78) n-propylbenzene	12.672	91	253260	20.947	ug/l	100
79) 2-Chlorotoluene	12.758	91	141215	20.855	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	173684	20.950	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	13741	20.613	ug/l	95
82) 4-Chlorotoluene	12.855	91	146739	20.896	ug/l	99
83) tert-Butylbenzene	13.075	119	154413	20.954	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	171941	20.999	ug/l	99
85) sec-Butylbenzene	13.251	105	228356	20.805	ug/l	99
86) p-Isopropyltoluene	13.367	119	191360	20.894	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	98044	20.835	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	97025	20.862	ug/l	99
89) n-Butylbenzene	13.697	91	177976	20.832	ug/l	97
90) Hexachloroethane	13.959	117	36601	20.527	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	87005	20.883	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6846	21.363	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	51433	19.954	ug/l	97
94) Hexachlorobutadiene	15.111	225	31080	20.775	ug/l	97
95) Naphthalene	15.233	128	99971	19.887	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	44226	19.896	ug/l	97

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

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