

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052224\
 Data File : VY018345.D
 Acq On : 22 May 2024 13:30
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/23/2024
 Supervised By :Semsettin Yesilyurt 05/23/2024

Quant Time: May 23 01:18:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052224S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 23 01:01:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	154021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	277579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	238575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	102769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	15507	10.627	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.260%#		
35) Dibromofluoromethane	7.710	113	15716	9.709	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.420%#		
50) Toluene-d8	10.179	98	63455	10.055	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.100%#		
62) 4-Bromofluorobenzene	12.483	95	20184	10.350	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.700%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	11157	8.487	ug/l	94
3) Chloromethane	2.101	50	18254	8.544	ug/l #	88
4) Vinyl Chloride	2.241	62	21524	9.006	ug/l	97
5) Bromomethane	2.644	94	14008	8.198	ug/l	99
6) Chloroethane	2.784	64	13209	8.514	ug/l	96
7) Trichlorofluoromethane	3.113	101	24134	8.998	ug/l	95
8) Diethyl Ether	3.515	74	7256	8.473	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.887	101	15052	9.097	ug/l	94
10) Methyl Iodide	4.089	142	13555	8.146	ug/l	97
11) Tert butyl alcohol	4.936	59	9100	27.129	ug/l #	79
12) 1,1-Dichloroethene	3.863	96	14128	8.669	ug/l	99
13) Acrolein	3.723	56	8200	56.378	ug/l	96
14) Allyl chloride	4.467	41	20958	9.208	ug/l	95
15) Acrylonitrile	5.155	53	17710	47.810	ug/l	97
16) Acetone	3.942	43	12844	42.795	ug/l	92
17) Carbon Disulfide	4.180	76	37224	8.180	ug/l	99
18) Methyl Acetate	4.467	43	8088	10.167	ug/l #	74
19) Methyl tert-butyl Ether	5.198	73	35607	9.112	ug/l	92
20) Methylene Chloride	4.698	84	19868	7.370	ug/l	97
21) trans-1,2-Dichloroethene	5.210	96	14757	8.584	ug/l	94
22) Diisopropyl ether	6.113	45	44446	9.397	ug/l	93
23) Vinyl Acetate	6.045	43	137036	45.248	ug/l #	93
24) 1,1-Dichloroethane	6.003	63	27123	9.351	ug/l	97
25) 2-Butanone	6.978	43	22071	46.406	ug/l	98
26) 2,2-Dichloropropane	6.978	77	22708	9.056	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	17726	8.774	ug/l	93
28) Bromochloromethane	7.320	49	10472	10.630	ug/l #	77
29) Tetrahydrofuran	7.344	42	14656	46.817	ug/l	93
30) Chloroform	7.503	83	26436	8.941	ug/l	91
31) Cyclohexane	7.777	56	27592	8.665	ug/l	93
32) 1,1,1-Trichloroethane	7.692	97	22607	8.712	ug/l	97
36) 1,1-Dichloropropene	7.905	75	19564	8.334	ug/l	98
37) Ethyl Acetate	7.064	43	11484	10.226	ug/l	97
38) Carbon Tetrachloride	7.893	117	19967	8.305	ug/l	97
39) Methylcyclohexane	9.179	83	27456	8.384	ug/l	95
40) Benzene	8.155	78	61630	8.612	ug/l	100

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41) Methacrylonitrile	7.301	41	4897m	7.887	ug/l	
42) 1,2-Dichloroethane	8.228	62	15009	8.719	ug/l	99
43) Isopropyl Acetate	8.265	43	19354	8.833	ug/l	93
44) Trichloroethene	8.935	130	15004	8.180	ug/l	94
45) 1,2-Dichloropropane	9.210	63	14858	9.231	ug/l	96
46) Dibromomethane	9.301	93	7705	8.158	ug/l	91
47) Bromodichloromethane	9.490	83	18955	8.270	ug/l	94
48) Methyl methacrylate	9.283	41	8120	8.193	ug/l #	89
49) 1,4-Dioxane	9.301	88	2088	170.399	ug/l #	72
51) 4-Methyl-2-Pentanone	10.069	43	50857	45.991	ug/l	94
52) Toluene	10.240	92	37777	8.421	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	17692	8.443	ug/l	92
54) cis-1,3-Dichloropropene	9.923	75	21986	8.563	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	11068	8.846	ug/l	95
56) Ethyl methacrylate	10.508	69	15614	9.098	ug/l #	86
57) 1,3-Dichloropropane	10.789	76	18413	8.682	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.777	63	37031	47.752	ug/l	96
59) 2-Hexanone	10.831	43	33901	44.554	ug/l	93
60) Dibromochloromethane	10.978	129	12508	8.276	ug/l	100
61) 1,2-Dibromoethane	11.087	107	9838	8.521	ug/l	99
64) Tetrachloroethene	10.715	164	13291	7.853	ug/l	94
65) Chlorobenzene	11.514	112	41094	8.338	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.587	131	12615	8.091	ug/l	98
67) Ethyl Benzene	11.593	91	71833	8.300	ug/l	96
68) m/p-Xylenes	11.697	106	54962	16.505	ug/l	97
69) o-Xylene	12.026	106	26712	8.500	ug/l	100
70) Styrene	12.044	104	43221	8.320	ug/l	99
71) Bromoform	12.209	173	6047	7.333	ug/l #	95
73) Isopropylbenzene	12.325	105	70459	8.723	ug/l	99
74) N-amyl acetate	12.142	43	17681	9.382	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	13047	9.480	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	8816m	9.227	ug/l	
77) Bromobenzene	12.605	156	14525	8.210	ug/l	91
78) n-propylbenzene	12.666	91	84699	8.757	ug/l	97
79) 2-Chlorotoluene	12.752	91	46112	8.806	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	54994	8.664	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	3857	8.592	ug/l	91
82) 4-Chlorotoluene	12.855	91	48276	9.093	ug/l	96
83) tert-Butylbenzene	13.075	119	49765	8.482	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	54675	8.759	ug/l	97
85) sec-Butylbenzene	13.252	105	76283	8.791	ug/l	98
86) p-Isopropyltoluene	13.367	119	59051	8.320	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	29447	8.453	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	28514	8.224	ug/l	95
89) n-Butylbenzene	13.697	91	59172	8.871	ug/l	96
90) Hexachloroethane	13.959	117	10700	8.163	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	25184	8.331	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1769	9.371	ug/l	75
93) 1,2,4-Trichlorobenzene	15.001	180	13588	7.892	ug/l	90
94) Hexachlorobutadiene	15.111	225	6608	7.499	ug/l	94
95) Naphthalene	15.233	128	26160	7.726	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	11668	7.971	ug/l	96

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

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