

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031224\
 Data File : VY017641.D
 Acq On : 12 Mar 2024 14:14
 Operator : SY/MD
 Sample : VY0312SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBS01

Quant Time: Mar 13 04:09:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/13/2024
 Supervised By :Semsettin Yesilyurt 03/13/2024

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	142437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	209147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	71365	52.866	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.740%			
35) Dibromofluoromethane	7.716	113	80720	48.273	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.540%			
50) Toluene-d8	10.179	98	292077	49.958	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.920%			
62) 4-Bromofluorobenzene	12.483	95	89205	48.550	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	13698	13.037	ug/l	100
3) Chloromethane	2.113	50	25146	13.098	ug/l	98
4) Vinyl Chloride	2.247	62	35550	14.434	ug/l	96
5) Bromomethane	2.643	94	32112	16.000	ug/l	96
6) Chloroethane	2.784	64	25362	16.324	ug/l	98
7) Trichlorofluoromethane	3.119	101	36804	14.662	ug/l	100
8) Diethyl Ether	3.521	74	12033	16.344	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.893	101	22095	15.303	ug/l	99
10) Methyl Iodide	4.094	142	21224	13.099	ug/l	98
11) Tert butyl alcohol	4.942	59	10327	90.061	ug/l #	86
12) 1,1-Dichloroethene	3.863	96	18762	13.944	ug/l	99
13) Acrolein	3.723	56	11748	77.647	ug/l	98
14) Allyl chloride	4.472	41	25982	15.981	ug/l	96
15) Acrylonitrile	5.149	53	27318	90.265	ug/l	99
16) Acetone	3.948	43	27329	104.377	ug/l	90
17) Carbon Disulfide	4.192	76	38709	9.584	ug/l	97
18) Methyl Acetate	4.478	43	10334	16.268	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	55688	17.757	ug/l	97
20) Methylene Chloride	4.710	84	32040	17.239	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	22447	14.248	ug/l	99
22) Diisopropyl ether	6.112	45	69150	18.432	ug/l	96
23) Vinyl Acetate	6.057	43	202206	90.447	ug/l	99
24) 1,1-Dichloroethane	6.009	63	43559	16.995	ug/l	99
25) 2-Butanone	6.984	43	37397	100.222	ug/l	91
26) 2,2-Dichloropropane	6.978	77	36821	17.086	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	28695	16.222	ug/l	97
28) Bromochloromethane	7.332	49	17159	16.998	ug/l	95
29) Tetrahydrofuran	7.344	42	19972	88.791	ug/l	99
30) Chloroform	7.502	83	48361	17.722	ug/l	98
31) Cyclohexane	7.783	56	29360	13.365	ug/l #	88
32) 1,1,1-Trichloroethane	7.697	97	38683	16.328	ug/l	97
36) 1,1-Dichloropropene	7.917	75	30585	13.557	ug/l	99
37) Ethyl Acetate	7.069	43	15351	17.228	ug/l	99
38) Carbon Tetrachloride	7.899	117	32958	14.576	ug/l	98
39) Methylcyclohexane	9.185	83	31633	11.667	ug/l	91
40) Benzene	8.161	78	100645	15.022	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	8479m	18.962	ug/l	
42) 1,2-Dichloroethane	8.234	62	26966	16.496	ug/l	99
43) Isopropyl Acetate	8.270	43	26725	17.067	ug/l	100
44) Trichloroethene	8.941	130	27988	14.493	ug/l	97
45) 1,2-Dichloropropane	9.215	63	25750	16.154	ug/l	99
46) Dibromomethane	9.307	93	14527	15.924	ug/l	99
47) Bromodichloromethane	9.496	83	37489	16.925	ug/l	97
48) Methyl methacrylate	9.295	41	11007	15.186	ug/l	90
49) 1,4-Dioxane	9.301	88	3316	321.186	ug/l #	98
51) 4-Methyl-2-Pentanone	10.075	43	75371	86.366	ug/l	99
52) Toluene	10.246	92	63836	15.114	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	32901	16.003	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	39603	15.853	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	21075	16.271	ug/l	97
56) Ethyl methacrylate	10.514	69	23039	16.262	ug/l	96
57) 1,3-Dichloropropane	10.794	76	34668	16.462	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	67289	90.028	ug/l	99
59) 2-Hexanone	10.837	43	53398	89.081	ug/l	100
60) Dibromochloromethane	10.990	129	24776	16.169	ug/l	100
61) 1,2-Dibromoethane	11.093	107	18853	15.795	ug/l	99
64) Tetrachloroethene	10.721	164	30557	15.222	ug/l	92
65) Chlorobenzene	11.520	112	69514	15.659	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	26607	15.998	ug/l	98
67) Ethyl Benzene	11.593	91	116777	14.999	ug/l	98
68) m/p-Xylenes	11.709	106	90787	29.677	ug/l	99
69) o-Xylene	12.032	106	42315	14.909	ug/l	99
70) Styrene	12.044	104	72271	15.341	ug/l	98
71) Bromoform	12.209	173	14826	16.087	ug/l #	96
73) Isopropylbenzene	12.331	105	111528	15.791	ug/l	99
74) N-amyl acetate	12.148	43	21608	17.347	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	21329	17.586	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	18021m	19.951	ug/l	
77) Bromobenzene	12.611	156	27467	16.059	ug/l	99
78) n-propylbenzene	12.672	91	139906	16.509	ug/l	99
79) 2-Chlorotoluene	12.757	91	78078	16.456	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	91074	16.095	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	6418	16.327	ug/l	98
82) 4-Chlorotoluene	12.855	91	79676	16.418	ug/l	99
83) tert-Butylbenzene	13.081	119	80354	16.172	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	90048	16.120	ug/l	99
85) sec-Butylbenzene	13.257	105	123523	16.260	ug/l	99
86) p-Isopropyltoluene	13.373	119	98323	15.811	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	55450	16.152	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	55353	16.584	ug/l	98
89) n-Butylbenzene	13.702	91	91342	16.099	ug/l	100
90) Hexachloroethane	13.965	117	21425	17.185	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	47635	16.404	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2810	16.481	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	23210	15.132	ug/l	99
94) Hexachlorobutadiene	15.117	225	14492	15.303	ug/l	95
95) Naphthalene	15.239	128	37256	15.468	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	19753	15.012	ug/l	97

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

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