

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021424\
 Data File : VY017380.D
 Acq On : 14 Feb 2024 14:08
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Feb 15 02:21:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 01:05:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/15/2024
 Supervised By :Semsettin Yesilyurt 02/15/2024

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	101428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	171677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	144750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	60627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	23781	22.096	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	44.200%#		
35) Dibromofluoromethane	7.728	113	24306	22.206	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	44.420%#		
50) Toluene-d8	10.191	98	95786	22.585	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	45.160%#		
62) 4-Bromofluorobenzene	12.495	95	27996	21.532	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	43.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	17600	20.373	ug/l	88
3) Chloromethane	2.119	50	36987	22.629	ug/l	97
4) Vinyl Chloride	2.260	62	44157	22.640	ug/l	97
5) Bromomethane	2.656	94	32816	23.702	ug/l	96
6) Chloroethane	2.802	64	29287	23.565	ug/l	95
7) Trichlorofluoromethane	3.137	101	45714	23.327	ug/l	98
8) Diethyl Ether	3.540	74	12456	22.014	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.906	101	27172	23.047	ug/l	99
10) Methyl Iodide	4.107	142	22683	19.574	ug/l	98
11) Tert butyl alcohol	4.960	59	7679	104.293	ug/l	96
12) 1,1-Dichloroethene	3.881	96	24956	22.950	ug/l	97
13) Acrolein	3.735	56	13113	112.744	ug/l	96
14) Allyl chloride	4.491	41	37028	23.029	ug/l	98
15) Acrylonitrile	5.180	53	25291	103.901	ug/l	100
16) Acetone	3.954	43	30646	107.568	ug/l	96
17) Carbon Disulfide	4.210	76	79408	22.892	ug/l	98
18) Methyl Acetate	4.491	43	10561	14.341	ug/l	99
19) Methyl tert-butyl Ether	5.241	73	51748	21.408	ug/l	100
20) Methylene Chloride	4.729	84	30655	22.852	ug/l	95
21) trans-1,2-Dichloroethene	5.235	96	28507	22.947	ug/l	97
22) Diisopropyl ether	6.131	45	78616	22.815	ug/l	98
23) Vinyl Acetate	6.076	43	223581	118.394	ug/l	100
24) 1,1-Dichloroethane	6.033	63	49687	23.111	ug/l	98
25) 2-Butanone	6.996	43	38209	108.547	ug/l	93
26) 2,2-Dichloropropane	6.990	77	42224	22.931	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	29745	22.239	ug/l	96
28) Bromochloromethane	7.344	49	18333	19.682	ug/l	97
29) Tetrahydrofuran	7.362	42	19969	102.296	ug/l	98
30) Chloroform	7.521	83	48858	22.791	ug/l	99
31) Cyclohexane	7.795	56	47026	22.951	ug/l	97
32) 1,1,1-Trichloroethane	7.716	97	44800	23.553	ug/l	99
36) 1,1-Dichloropropene	7.929	75	41659	23.245	ug/l	99
37) Ethyl Acetate	7.088	43	15319	21.025	ug/l	99
38) Carbon Tetrachloride	7.911	117	39321	22.865	ug/l	98
39) Methylcyclohexane	9.197	83	48480	22.593	ug/l	98
40) Benzene	8.173	78	114215	22.747	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	5951m	16.025	ug/l	
42) 1,2-Dichloroethane	8.246	62	28662	22.429	ug/l	98
43) Isopropyl Acetate	8.283	43	26722	20.475	ug/l	97
44) Trichloroethene	8.953	130	28977	22.333	ug/l	100
45) 1,2-Dichloropropane	9.228	63	27113	22.437	ug/l	99
46) Dibromomethane	9.319	93	13593	21.678	ug/l	96
47) Bromodichloromethane	9.508	83	35697	22.134	ug/l	96
48) Methyl methacrylate	9.301	41	12802	18.604	ug/l	99
49) 1,4-Dioxane	9.307	88	2842	439.857	ug/l	94
51) 4-Methyl-2-Pentanone	10.081	43	72095	101.668	ug/l	99
52) Toluene	10.252	92	68937	22.593	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	32072	21.465	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	40663	22.232	ug/l	98
55) 1,1,2-Trichloroethane	10.654	97	18424	21.424	ug/l	97
56) Ethyl methacrylate	10.520	69	20880	23.821	ug/l	98
57) 1,3-Dichloropropane	10.801	76	31908	21.543	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	52039	92.568	ug/l	99
59) 2-Hexanone	10.843	43	54349	106.653	ug/l	99
60) Dibromochloromethane	10.996	129	21185	21.212	ug/l	99
61) 1,2-Dibromoethane	11.099	107	16646	21.107	ug/l	100
64) Tetrachloroethene	10.734	164	24241	22.651	ug/l	97
65) Chlorobenzene	11.526	112	69121	22.524	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	24170	21.896	ug/l	99
67) Ethyl Benzene	11.605	91	128154	22.672	ug/l	99
68) m/p-Xylenes	11.715	106	97785	45.881	ug/l	99
69) o-Xylene	12.044	106	44155	22.902	ug/l	100
70) Styrene	12.057	104	70951	23.987	ug/l	99
71) Bromoform	12.221	173	11174	20.879	ug/l #	99
73) Isopropylbenzene	12.343	105	120602	23.870	ug/l	99
74) N-amyl acetate	12.154	43	21772	21.795	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	19333	21.352	ug/l	96
76) 1,2,3-Trichloropropane	12.648	75	10763m	17.207	ug/l	
77) Bromobenzene	12.624	156	23689	22.264	ug/l	98
78) n-propylbenzene	12.684	91	148348	23.850	ug/l	100
79) 2-Chlorotoluene	12.770	91	80498	23.716	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	93480	23.543	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	6023	22.011	ug/l	94
82) 4-Chlorotoluene	12.867	91	82945	23.738	ug/l	100
83) tert-Butylbenzene	13.087	119	81932	23.627	ug/l	98
84) 1,2,4-Trimethylbenzene	13.136	105	91934	23.454	ug/l	99
85) sec-Butylbenzene	13.264	105	130459	24.656	ug/l	100
86) p-Isopropyltoluene	13.379	119	101550	23.717	ug/l	100
87) 1,3-Dichlorobenzene	13.379	146	48516	22.530	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	47896	22.865	ug/l	98
89) n-Butylbenzene	13.709	91	98802	23.756	ug/l	98
90) Hexachloroethane	13.971	117	20965	23.623	ug/l	95
91) 1,2-Dichlorobenzene	13.751	146	40290	22.703	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	2172	19.316	ug/l	97
93) 1,2,4-Trichlorobenzene	15.026	180	19982	22.568	ug/l	99
94) Hexachlorobutadiene	15.123	225	12815	23.450	ug/l	98
95) Naphthalene	15.251	128	30828	20.008	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	15950	21.472	ug/l	96

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

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