

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041624\
 Data File : VY017942.D
 Acq On : 16 Apr 2024 11:54
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Apr 17 06:05:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:02:45 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/17/2024
 Supervised By :Semsettin Yesilyurt 04/17/2024

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	449344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	706406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	610064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	288273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	68795	17.692	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	35.380%#		
35) Dibromofluoromethane	7.716	113	79432	18.226	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	36.460%#		
50) Toluene-d8	10.179	98	296543	17.932	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	35.860%#		
62) 4-Bromofluorobenzene	12.483	95	90458	17.662	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	35.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	74592	20.925	ug/l	98
3) Chloromethane	2.107	50	120227	20.354	ug/l	98
4) Vinyl Chloride	2.247	62	132294	19.871	ug/l	100
5) Bromomethane	2.637	94	85992	19.405	ug/l	98
6) Chloroethane	2.790	64	83002	19.748	ug/l	99
7) Trichlorofluoromethane	3.119	101	150592	20.070	ug/l	95
8) Diethyl Ether	3.528	74	45322	19.115	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.893	101	92903	19.883	ug/l	99
10) Methyl Iodide	4.082	142	122641	19.729	ug/l	99
11) Tert butyl alcohol	4.966	59	29014	95.209	ug/l #	83
12) 1,1-Dichloroethene	3.869	96	90492	19.950	ug/l	96
13) Acrolein	3.729	56	26488	87.465	ug/l	100
14) Allyl chloride	4.472	41	115306	19.643	ug/l	95
15) Acrylonitrile	5.161	53	92874	96.476	ug/l	99
16) Acetone	3.942	43	67494	87.846	ug/l	91
17) Carbon Disulfide	4.192	76	288623	20.002	ug/l	97
18) Methyl Acetate	4.472	43	38440	19.018	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	186779	18.894	ug/l	99
20) Methylene Chloride	4.710	84	100335	19.276	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	97174	19.556	ug/l	97
22) Diisopropyl ether	6.119	45	255559	19.859	ug/l	99
23) Vinyl Acetate	6.058	43	737353	96.627	ug/l	98
24) 1,1-Dichloroethane	6.015	63	163959	19.514	ug/l	98
25) 2-Butanone	6.984	43	105695	93.590	ug/l	95
26) 2,2-Dichloropropane	6.984	77	130934	19.424	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	110037	19.390	ug/l	98
28) Bromochloromethane	7.332	49	61026	18.464	ug/l	97
29) Tetrahydrofuran	7.350	42	68943	96.199	ug/l	96
30) Chloroform	7.509	83	167798	19.541	ug/l	98
31) Cyclohexane	7.789	56	148252	19.946	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	140425	19.634	ug/l	97
36) 1,1-Dichloropropene	7.917	75	126664	19.985	ug/l	99
37) Ethyl Acetate	7.076	43	51244	19.652	ug/l	98
38) Carbon Tetrachloride	7.899	117	126139	19.699	ug/l	96
39) Methylcyclohexane	9.185	83	163532	19.800	ug/l	96
40) Benzene	8.161	78	393536	19.823	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	32274m	19.610	ug/l	
42) 1,2-Dichloroethane	8.234	62	89047	19.576	ug/l	99
43) Isopropyl Acetate	8.277	43	91400	18.804	ug/l	100
44) Trichloroethene	8.941	130	98493	19.524	ug/l	99
45) 1,2-Dichloropropane	9.216	63	89531	19.591	ug/l	99
46) Dibromomethane	9.307	93	48663	19.251	ug/l	98
47) Bromodichloromethane	9.496	83	122149	19.261	ug/l	97
48) Methyl methacrylate	9.295	41	43037	19.322	ug/l	97
49) 1,4-Dioxane	9.307	88	10497	363.755	ug/l #	95
51) 4-Methyl-2-Pentanone	10.069	43	243952	94.673	ug/l	99
52) Toluene	10.246	92	241214	19.801	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	111167	19.201	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	137426	19.322	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	66541	19.364	ug/l	97
56) Ethyl methacrylate	10.514	69	85085	18.993	ug/l	98
57) 1,3-Dichloropropane	10.788	76	113468	19.501	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	226569	97.299	ug/l	99
59) 2-Hexanone	10.831	43	167774	95.381	ug/l	99
60) Dibromochloromethane	10.990	129	83225	18.845	ug/l	100
61) 1,2-Dibromoethane	11.087	107	61839	19.310	ug/l	99
64) Tetrachloroethene	10.721	164	86837	19.870	ug/l	97
65) Chlorobenzene	11.520	112	265108	19.828	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	86092	19.527	ug/l	99
67) Ethyl Benzene	11.593	91	443601	19.704	ug/l	99
68) m/p-Xylenes	11.703	106	346041	40.020	ug/l	99
69) o-Xylene	12.032	106	159601	19.765	ug/l	99
70) Styrene	12.044	104	267668	19.613	ug/l	99
71) Bromoform	12.209	173	48169	18.910	ug/l #	98
73) Isopropylbenzene	12.331	105	416108	19.810	ug/l	99
74) N-amyl acetate	12.142	43	80488	18.982	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	76699	19.578	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	53044m	19.658	ug/l	
77) Bromobenzene	12.611	156	97579	19.196	ug/l	98
78) n-propylbenzene	12.672	91	512628	20.114	ug/l	100
79) 2-Chlorotoluene	12.758	91	282978	19.837	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	334986	20.112	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	24938	19.008	ug/l	99
82) 4-Chlorotoluene	12.855	91	295133	19.976	ug/l	99
83) tert-Butylbenzene	13.075	119	299298	19.674	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	329486	19.864	ug/l	100
85) sec-Butylbenzene	13.251	105	452884	19.820	ug/l	99
86) p-Isopropyltoluene	13.367	119	374676	19.956	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	195525	19.386	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	192156	19.408	ug/l	98
89) n-Butylbenzene	13.696	91	349623	19.793	ug/l	99
90) Hexachloroethane	13.959	117	75958	19.729	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	169433	19.472	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9531	18.914	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	93348	18.422	ug/l	99
94) Hexachlorobutadiene	15.111	225	57782	19.222	ug/l	99
95) Naphthalene	15.233	128	150684	18.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	79530	18.705	ug/l	99

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

