

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033023\
 Data File : VY013143.D
 Acq On : 30 Mar 2023 10:59
 Operator : KP/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 :Krupa Patel 03/31/2023
 Supervised By :Mahesh Dadoda 04/03/2023

Quant Time: Mar 31 03:55:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 31 03:45:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	134159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	202129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	183488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	28438	19.724	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.440%#		
35) Dibromofluoromethane	7.716	113	25567	19.362	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.720%#		
50) Toluene-d8	10.179	98	98894	19.839	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	39.680%#		
62) 4-Bromofluorobenzene	12.483	95	32021	19.735	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	27991	21.283	ug/l	96
3) Chloromethane	2.113	50	27774	20.251	ug/l	96
4) Vinyl Chloride	2.253	62	27863	20.263	ug/l	98
5) Bromomethane	2.644	94	18733	19.304	ug/l	91
6) Chloroethane	2.790	64	17035	19.777	ug/l	100
7) Trichlorofluoromethane	3.125	101	50241	20.529	ug/l	98
8) Diethyl Ether	3.528	74	15238	19.828	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	27638	20.484	ug/l	98
10) Methyl Iodide	4.095	142	34889	19.858	ug/l	99
11) Tert butyl alcohol	4.954	59	13512	103.981	ug/l	99
12) 1,1-Dichloroethene	3.875	96	26451	20.280	ug/l	96
13) Acrolein	3.729	56	17889	98.098	ug/l	99
14) Allyl chloride	4.479	41	43577	19.609	ug/l	96
15) Acrylonitrile	5.161	53	37321	97.731	ug/l	99
16) Acetone	3.942	43	37076	84.096	ug/l	94
17) Carbon Disulfide	4.198	76	86819	19.988	ug/l	98
18) Methyl Acetate	4.479	43	27515	19.807	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	65525	19.825	ug/l	100
20) Methylene Chloride	4.716	84	35881	20.396	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	28972	19.715	ug/l	96
22) Diisopropyl ether	6.119	45	88754	20.441	ug/l	99
23) Vinyl Acetate	6.064	43	246838	99.972	ug/l	99
24) 1,1-Dichloroethane	6.015	63	50645	19.695	ug/l	100
25) 2-Butanone	6.984	43	53163	96.437	ug/l	97
26) 2,2-Dichloropropane	6.978	77	46484	20.098	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	31668	20.002	ug/l	98
28) Bromochloromethane	7.332	49	22050	19.984	ug/l	94
29) Tetrahydrofuran	7.350	42	32720	100.265	ug/l	98
30) Chloroform	7.509	83	52736	19.804	ug/l	99
31) Cyclohexane	7.783	56	47371	20.125	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	47100	20.005	ug/l	99
36) 1,1-Dichloropropene	7.917	75	41038	20.645	ug/l	99
37) Ethyl Acetate	7.076	43	22673	20.079	ug/l	99
38) Carbon Tetrachloride	7.899	117	44489	20.284	ug/l	99
39) Methylcyclohexane	9.185	83	46829	20.080	ug/l	98
40) Benzene	8.161	78	116163	20.232	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	9288m	16.932	ug/l	
42) 1,2-Dichloroethane	8.234	62	34605	19.673	ug/l	100
43) Isopropyl Acetate	8.271	43	39493	19.539	ug/l	98
44) Trichloroethene	8.941	130	32244	20.401	ug/l	99
45) 1,2-Dichloropropane	9.216	63	28293	19.679	ug/l	97
46) Dibromomethane	9.307	93	16682	20.199	ug/l	97
47) Bromodichloromethane	9.496	83	39887	20.015	ug/l	97
48) Methyl methacrylate	9.295	41	19026	20.211	ug/l	99
49) 1,4-Dioxane	9.301	88	3836	390.420	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	109960	100.801	ug/l	99
52) Toluene	10.246	92	72426	20.336	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	40415	19.841	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	46912	20.166	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	23481	20.568	ug/l	94
56) Ethyl methacrylate	10.508	69	28464	19.830	ug/l	99
57) 1,3-Dichloropropane	10.788	76	38991	20.231	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	71080	105.907	ug/l	99
59) 2-Hexanone	10.831	43	79560	100.844	ug/l	99
60) Dibromochloromethane	10.984	129	28555	19.915	ug/l	100
61) 1,2-Dibromoethane	11.087	107	22452	20.298	ug/l	99
64) Tetrachloroethene	10.721	164	28773	20.397	ug/l	97
65) Chlorobenzene	11.514	112	77101	19.793	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	29309	20.070	ug/l	99
67) Ethyl Benzene	11.593	91	135105	20.082	ug/l	99
68) m/p-Xylenes	11.703	106	105766	40.640	ug/l	98
69) o-Xylene	12.032	106	49222	20.391	ug/l	96
70) Styrene	12.044	104	81923	20.287	ug/l	99
71) Bromoform	12.209	173	18218	20.118	ug/l #	98
73) Isopropylbenzene	12.331	105	129839	19.909	ug/l	99
74) N-amyl acetate	12.142	43	34878	19.478	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	27579	20.188	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	21539m	20.299	ug/l	
77) Bromobenzene	12.611	156	32200	19.859	ug/l	97
78) n-propylbenzene	12.672	91	161001	20.078	ug/l	100
79) 2-Chlorotoluene	12.758	91	90651	19.922	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	111069	20.370	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	9205	19.341	ug/l	95
82) 4-Chlorotoluene	12.855	91	96130	20.300	ug/l	100
83) tert-Butylbenzene	13.075	119	94772	20.236	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	109471	20.501	ug/l	100
85) sec-Butylbenzene	13.251	105	143492	20.292	ug/l	100
86) p-Isopropyltoluene	13.367	119	118016	20.273	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	64649	20.114	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	63500	19.715	ug/l	96
89) n-Butylbenzene	13.696	91	110607	20.325	ug/l	99
90) Hexachloroethane	13.959	117	24528	20.226	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	57474	20.022	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4782	21.037	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	34082	20.360	ug/l	99
94) Hexachlorobutadiene	15.111	225	20929	20.329	ug/l	98
95) Naphthalene	15.239	128	59296	18.875	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	29063	19.706	ug/l	98

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

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