

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
 Data File : VY000408.D
 Acq On : 24 Oct 2019 14:41
 Operator : SY/MD
 Sample : VY1024SBS02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:46:45 PM

Quant Time: Oct 25 07:09:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	219119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	361117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	323788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	161841	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	116396	50.36	ug/l	0.00
Spiked Amount						
			Recovery	=	100.72%	
35) Dibromofluoromethane	7.73	113	104827	48.12	ug/l	0.00
Spiked Amount						
			Recovery	=	96.24%	
50) Toluene-d8	10.18	98	411461	49.10	ug/l	0.00
Spiked Amount						
			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.48	95	149687	47.02	ug/l	0.00
Spiked Amount						
			Recovery	=	94.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	40492	20.854	ug/l	98
3) Chloromethane	2.12	50	61594	23.004	ug/l	98
4) Vinyl Chloride	2.25	62	53975	19.974	ug/l	100
5) Bromomethane	2.63	94	32736	16.346	ug/l	91
6) Chloroethane	2.79	64	33861	19.421	ug/l	99
7) Trichlorofluoromethane	3.12	101	78747	21.304	ug/l	91
8) Diethyl Ether	3.54	74	31094	23.812	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	46275	20.643	ug/l	98
10) Methyl Iodide	4.09	142	48388	15.981	ug/l	95
11) Tert butyl alcohol	4.96	59	22918	94.747	ug/l	100
12) 1,1-Dichloroethene	3.87	96	45830	20.709	ug/l	90
13) Acrolein	3.74	56	20156	71.075	ug/l	100
14) Allyl chloride	4.48	41	73711	20.099	ug/l	98
15) Acrylonitrile	5.18	53	74798	102.338	ug/l	99
16) Acetone	3.96	43	70413	94.070	ug/l	98
17) Carbon Disulfide	4.19	76	126781	18.195	ug/l #	92
18) Methyl Acetate	4.49	43	37824	20.338	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	127441	20.686	ug/l	98
20) Methylene Chloride	4.72	84	79282	29.172	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	50899	20.047	ug/l	98
22) Diisopropyl ether	6.13	45	157967	20.365	ug/l	96
23) Vinyl Acetate	6.07	43	510521	100.887	ug/l	99
24) 1,1-Dichloroethane	6.03	63	88098	20.808	ug/l	99
25) 2-Butanone	7.00	43	102523	97.231	ug/l	99
26) 2,2-Dichloropropane	6.99	77	80961	20.752	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	56796	20.672	ug/l	96
28) Bromochloromethane	7.34	49	34356	18.902	ug/l	92
29) Tetrahydrofuran	7.36	42	60427	94.562	ug/l	99
30) Chloroform	7.52	83	88291	20.707	ug/l	100
31) Cyclohexane	7.79	56	87031	19.681	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	77973	20.570	ug/l	99
36) 1,1-Dichloropropene	7.93	75	69096	19.543	ug/l	99
37) Ethyl Acetate	7.09	43	41178	19.670	ug/l	98
38) Carbon Tetrachloride	7.91	117	71284	20.823	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	92248	19.935	ug/l	94
40) Benzene	8.17	78	205641	20.127	ug/l	97
41) Methacrylonitrile	7.33	41	19419m	19.487	ug/l	
42) 1,2-Dichloroethane	8.25	62	59082	20.243	ug/l	99
43) Isopropyl Acetate	8.28	43	79376	19.941	ug/l #	90
44) Trichloroethene	8.94	130	57363	20.009	ug/l	93
45) 1,2-Dichloropropane	9.22	63	51140	20.396	ug/l	100
46) Dibromomethane	9.32	93	29004	20.693	ug/l	97
47) Bromodichloromethane	9.50	83	66643	20.175	ug/l	99
48) Methyl methacrylate	9.30	41	35015	20.072	ug/l	97
49) 1,4-Dioxane	9.30	88	8932	425.003	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	206489	100.575	ug/l	99
52) Toluene	10.25	92	128730	19.844	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	72350	20.437	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	81579	20.291	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	40956	20.096	ug/l	96
56) Ethyl methacrylate	10.52	69	57285	19.720	ug/l	97
57) 1,3-Dichloropropane	10.79	76	74188	21.197	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.79	63	140247	121.043	ug/l	100
59) 2-Hexanone	10.83	43	150743	104.604	ug/l	97
60) Dibromochloromethane	10.99	129	45906	20.323	ug/l	99
61) 1,2-Dibromoethane	11.09	107	38498	19.674	ug/l	98
64) Tetrachloroethene	10.72	164	61808	20.051	ug/l	96
65) Chlorobenzene	11.52	112	140505	20.562	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	49983	20.823	ug/l	99
67) Ethyl Benzene	11.60	91	252637	19.944	ug/l	100
68) m/p-Xylenes	11.70	106	196584	40.595	ug/l	98
69) o-Xylene	12.03	106	91790	19.869	ug/l	99
70) Styrene	12.05	104	156947	20.145	ug/l	100
71) Bromoform	12.21	173	27278	19.768	ug/l #	97
73) Isopropylbenzene	12.33	105	246680	19.548	ug/l	99
74) N-amyl acetate	12.14	43	66232	21.379	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	48604	20.514	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	35111m	17.643	ug/l	
77) Bromobenzene	12.61	156	56881	20.256	ug/l	95
78) n-propylbenzene	12.67	91	297984	19.667	ug/l	100
79) 2-Chlorotoluene	12.75	91	164066	19.607	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	209045	19.755	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	17222	18.934	ug/l	94
82) 4-Chlorotoluene	12.85	91	172539	19.507	ug/l	97
83) tert-Butylbenzene	13.07	119	181760	20.284	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	206838	19.805	ug/l	99
85) sec-Butylbenzene	13.25	105	254843	19.659	ug/l	99
86) p-Isopropyltoluene	13.37	119	226813	20.069	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	111600	20.171	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	110310	19.947	ug/l	99
89) n-Butylbenzene	13.69	91	220004	19.699	ug/l	99
90) Hexachloroethane	13.96	117	41013	19.598	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	105147	21.000	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8852	19.699	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	71664	20.557	ug/l	98
94) Hexachlorobutadiene	15.11	225	38361	20.334	ug/l	99
95) Naphthalene	15.23	128	151549	19.480	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	66013	21.011	ug/l	98

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

